

REPORT, RETURNS, AND STATISTICS  
OF THE  
**INLAND REVENUES**

OF THE  
DOMINION OF CANADA

FOR THE FISCAL YEAR ENDED MARCH 31

1916

PART II

**WEIGHTS AND MEASURES, GAS AND ELECTRICITY**

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OTTAWA

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1916







# REPORT

OF THE

## DEPUTY MINISTER OF INLAND REVENUE

OF THE

### INSPECTION OF WEIGHTS AND MEASURES, GAS AND ELECTRICITY.

To the Honourable  
The Minister of Inland Revenue.

SIR.—I have the honour to submit my annual report on the inspection of weights and measures, gas and electricity, with the usual statements in connection therewith for the fiscal year ended March 31, 1916.

1. The total revenue collected during the year for the inspection of weights and measures was \$112,136.81 as against \$106,111.20 collected during the twelve months ended March 31, 1915.

2. The total expenditure was \$181,113.86 as against \$164,604.93 expended during the year ended March 31, 1915.

3. Appendix "A" gives a summary statement of the receipts and expenditures of each inspection division.

4. In Appendices "B", "C", and "D" will be found a detailed statement of weights, measures and weighing machines presented for verification, verified and rejected during the year. The number of all descriptions may be summarily stated as follows:—

	Presented.	Verified.	Rejected.	Percentage of Rejections.
Weights.....	64,073	63,585	488	.761
Measures of capacity.....	145,223	144,799	424	.291
"    length.....	9,154	9,053	101	1.103
Balance, equal arms.....	11,524	11,314	201	1.744
"    steelyards.....	7,479	7,342	137	1.831
"    platform scales.....	53,146	50,783	2,363	4.446
"    computing, automatic, etc.....	18,628	18,091	537	2.882

The revenue collected represents 61.9 per cent of the expenditure, as against 65 per cent last year.



The increase in expenditure is mainly due to the following causes, increase of work done, increased travelling, increase of staff, and increase in the capacity of scales. The latter, together with the introduction of labour saving, automatic weighing machines, necessarily follows commercial development. As a result, the demand for ability and technical knowledge on the part of inspecting officers becomes yearly more insistent, whilst the increased capacity of scales greatly multiplies the physical exertion, and the cost and difficulty of transporting the larger number of government test weights necessary to make reliable inspections. To-day the service has in use some (7,000) seven thousand 50 pounds test weights.

To meet the very important work of grain elevator scale inspection in the West, the two divisions of Saskatchewan and Alberta have each been divided into two. The division of Saskatoon remains for the northern half of Saskatchewan, the southern half being constituted the new division of Regina. Likewise Calgary division remains for the southern half of Alberta, the northern half being constituted the new division of Edmonton.

The percentage of rejected weighing machines in general is still very low, being only 2.6 per cent. In the important work of grain elevator scales, however, the percentage is 10.75 per cent, a considerable improvement over past years. Both percentages would undoubtedly be higher, but for the fact that officers adjust incorrect scales, etc., whenever they can.

Important activities have also been directed to dairy cans and milk bottles, all importations of both being inspected for accuracy of contents before distribution or use is permitted. This keeps out all short American wine-measure bottles and the American 40-quart can, the latter being one Dominion quart larger, but indistinguishable from the regular Dominion 8 gallon or 32 quart can.

In further connection with dairy work, the Standards Branch during the year has tested 23,989 metric babcock milk cream test bottles and pipettes, of which 23,405 have been verified and stamped, producing a revenue of \$1,170.26.

During the year 186 seizures of incorrect and improper weights and measures have been made, most of which were confiscated without legal proceedings.

Only twenty-one prosecutions took place, convictions being secured in every case, fines and costs to the extent of \$205.60 being inflicted.

With the exception of one case of obstruction, and two cases of using false measures, all the prosecutions were for the use of an unstamped scale or measure.

#### THE METRIC SYSTEM.

The question of the compulsory adoption of the metric system has been given increased importance by the war.

The system has long been permissive and legal for trade in Canada, but outside scientific work and the Babcock butter-fat test, as practised by the dairy industry, it is not much used.

The British Imperial Council of Commerce has recently passed a resolution urging the adoption of a uniform decimal system of weights and measures throughout the Empire. At the same time there is a Bill before the United States Congress to make the metric system compulsory in 1924.



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The department is continuing its educational work by the distribution of an explanatory pamphlet and chart on the metric system, thirty-three of the latter being distributed to schools and colleges in the past year.

To fulfil Canadian obligations as a Contracting State to the International Metric Convention, the Honourable the Minister of Inland Revenue was empowered by Act of Parliament in the session of 1914 to procure copies of the International Metre and Kilogram as the Primary Metric Standards of the Dominion. The war, however, has temporarily suspended this activity.

## DOMINION STANDARDS.

I have also to report that with the recent destruction of Parliament buildings by fire was destroyed the two sets of Primary Dominion Standards of Weight and Measure, marked respectively "B" and "C", and deposited in 1875 in the keeping of the Honourable the Speaker of the House of Commons and of the Senate, respectively.

These standards are described in schedule 1, Part 11, of the Weights and Measures Act, chap. 52 R.S. 1906, and must be restored as required by section 8 thereof.

## INSPECTION OF GAS.

The total revenue collected during the twelve months ended March 31, 1916, for the inspection of gas and gas meters was \$46,034.80, as compared with \$56,841.30 collected during the year ended March 31, 1915. The total expenses were \$66,255.58, as against \$62,188.40 expended during the year ended March 31, 1915.

Since making my last report changes of a somewhat radical nature have been introduced in the Gas Inspection service. Prior to July 1, 1915, the gas companies were required to produce gas having an illuminating power of 16 candles. Owing to the changes that have taken place in the methods of using gas, this standard had become obsolete. Less than 5 per cent of the gas manufactured was used in naked flame burners for lighting purposes; the remainder, or over 95 per cent being used in appliances which depended on the heating value rather than the illuminating power of the gas. This being the case, obviously the only course for the department to pursue was to substitute a calorific standard in place of the candle-power standard. This change was made by Order in Council, dated June 26, 1915, and the following regulations, in respect of manufactured gas, became effective from the 1st of July, 1915:—

## REGULATIONS.

These regulations are to be construed as subject in all respects to the provisions of the Act, and the several words, terms and expressions to which by the Act meanings are assigned shall have herein the same respective meanings.

1. British Thermal Unit (B.T.U.) means the quantity of heat required to raise the temperature of one pound avoirdupois of water from 60 to 61 degrees Fahrenheit.

2. There shall be provided and maintained in proper working order by the department at each departmental testing place suitable apparatus for testing the



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calorific power of manufactured gas supplied at such testing place, and such apparatus and the method of making the test shall be such as shall from time to time be determined by the minister

3. The following provisions shall apply with respect to the testings of calorific power made with the apparatus and at the test places provided in accordance with the requirements of the preceding section:—

- (a) Any inspector of gas appointed under the Act may by means of the apparatus provided as aforesaid test at the prescribed testing place at any reasonable hour the calorific power of the gas supplied at such testing place, but not more than one testing for calorific power shall be made on any one day except in the event mentioned in subsection (f) of this section.
- (b) The undertaker may if he so desires on any occasion of the testing of the gas under the provisions of this section be present, either in person or represented by some officer whom he may appoint; such representative, however, shall not interfere with the testing.
- (c) The Calorimeter shall be so used as to yield the total heat which shall be developed by the complete combustion in moist (saturated) air of moist (saturated) gas and the products of combustion shall leave the calorimeter at approximately the temperature of the inlet water.
- (d) Subject to the provisions of the next preceding subsection the testing shall be made in the manner and under the conditions for the time being prescribed by the minister.
- (e) The result obtained by means of such testing shall be expressed in terms of British Thermal Units per cubic foot of gas and shall be corrected for a temperature of 60 degrees Fahrenheit and a pressure balanced by a column of 30 inches of mercury at the same temperature. The corrected result shall be the calorific power of the gas determined by the testing.
- (f) In the event of the calorific power, on any testing, being found to be below the standard calorific power, the undertaker shall be immediately notified in writing and a second testing shall be made on the same day but at an interval of not less than one hour from the time of serving the notice on the undertaker, and the average of the two testings shall be the calorific power of the gas on that day.
- (g) Any party may, at any reasonable time, after depositing the fee, demand a test of the calorific power of the gas supply. In the event of the calorific power determined by the test being below the standard, the cost of the test shall be paid by the undertaker, if at or above the standard, by the party demanding the test.
- (h) The inspector shall, not later than the day following that on which any testing has been made under this section, make and cause to be delivered to the undertaker a report of the results of his testing, and such report shall be received as prima facie evidence of the facts therein contained.



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## THE STANDARD OF CALORIFIC POWER.

4. The standard calorific power of the gas supplied by the undertaker at the prescribed testing place shall be five hundred and twenty British Thermal Units per cubic foot of saturated gas when burned in saturated air and the volume of gas corrected for a temperature of 60 degrees Fahrenheit and a pressure balanced by a column of 30 inches of mercury at the same temperature.

Provided that the undertaker shall not be liable for more than one penalty in respect of a deficiency of calorific power of the gas at any testing place on any one day.

## PENALTIES FOR DEFICIENCY OF CALORIFIC POWER.

5. If on any day the calorific power of the gas tested in accordance with the provisions of these regulations is below the standard calorific power prescribed, the undertaker shall be liable to the following penalties:—

- (a) Companies having over ten thousand (10,000) meters, eighty dollars for the first offence and double this penalty for each subsequent offence.
- (b) Companies having five thousand and one to ten thousand (5,001 to 10,000) meters, sixty dollars for the first offence and double this penalty for every subsequent offence.
- (c) Companies having two thousand and one to five thousand (2,001 to 5,000) meters, forty dollars for the first offence, and double this penalty for every subsequent offence.
- (d) Companies having one thousand and one to two thousand (1,001 to 2,000) meters, twenty dollars for the first offence and double this penalty for every subsequent offence.
- (e) Companies having one thousand (1,000) meters and under, ten dollars for the first offence and double this penalty for every subsequent offence.

## SAVING CLAUSE AS TO PENALTIES.

6. Notwithstanding anything contained in these regulations, no penalty shall be incurred by the undertaker for any deficiency in calorific power in the gas tested in accordance with the provisions herein contained in respect of which the inspector reports, or it is proved, that such deficiency was produced by any circumstance beyond the control of the undertaker; provided that want of sufficient funds shall not be held to be a circumstance beyond the control of the undertaker.

## PROCEDURE.

7. All penalties imposed under the authority of these regulations shall be recoverable on summary conviction in accordance with the provisions of sections 62, 63 and 65 of the Gas Inspection Act, Chapter 87, R.S.

8. These regulations shall come into force and be operative from and after the first day of July, 1915.

9. All previous Orders in Council and regulations relating to the testing of the illuminating power of gas and in respect of sulphur and ammonia tests are hereby repealed.

A statement of average calorific values and of purity tests for the nine months ending March 31, 1916, will be found in appendix "F."



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## CARBON MONOXIDE IN ILLUMINATING GAS.

A communication has been received from the Royal Society of Canada in relation to the poisonous element of carbon monoxide in illuminating gas, and requesting that quantitative tests be made and published by the department with the view to warning the public as to the poisonous nature of the gas containing the element named. The correspondence follows:—

THE ROYAL SOCIETY OF CANADA,  
OTTAWA, November 23, 1915.

DEAR SIR,—At the annual meeting of the Royal Society of Canada, held in Ottawa in May last, an important report was submitted containing information as to the dangers to life arising from the presence of carbon monoxide in ordinary illuminating gas.

I am sending herewith a copy of this report, and I am asked to direct your attention to recommendation No. 2 on page 6, which reads as follows:—

“That the Department of Inland Revenue be requested to instruct their gas inspectors to determine the percentage of carbon monoxide in illuminating gas at the same time as they make the examination for sulphuretted compounds.”

I shall be pleased to know if your department will undertake to issue the instructions to inspectors referred to therein.

Yours very truly,

DUNCAN E. SCOTT,  
*Honorary Secretary.*

JOSEPH ULRIC VINCENT, Esq.,  
Deputy Minister of Inland Revenue,  
Ottawa, Ont.

REPORT OF THE COMMITTEE APPOINTED IN 1914 TO OBTAIN FULL INFORMATION AS TO THE  
DANGERS ARISING FROM THE PRESENCE OF CARBON MONOXIDE IN ORDINARY ILLUMINATING GAS.

The report of the committee appointed in 1914 to obtain full information as to the dangers to life arising from the presence of carbon monoxide in ordinary illuminating gas was presented for Dr. Girdwood, chairman, by Dr. Ruttan. The report was as follows:—

*Mr. President and Fellows of The Royal Society:*

GENTLEMEN,—At the last meeting of this society held in Montreal, in the month of May last, you did us the honour of appointing us a committee for the purpose of collecting information upon the use of water gas in illuminating gas. We thank you for that honour, and now have pleasure in submitting our report as follows:—



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The conditions of war in Europe have so interfered with postal arrangements that we have been unable to obtain any information from the continent of Europe, and the information we have been able to obtain has been from the United Kingdom, the United States, and Canada.

Throughout Great Britain, in the early part of the last century, coal gas was introduced as a means for lighting the houses and streets. The gas originally used was made by the distillation of soft coal, of which material an ample supply was obtainable.

Ordinary coal gas thus obtained consists chiefly of lighter hydrocarbons with hydrogen, and carries also about 6 per cent of carbon monoxide and gaseous sulphur compounds.

These sulphur compounds must be almost completely removed from the gas before it is distributed.

True coal gas, unlike water gas, has a very distinct odour, and hence its presence even in small quantity in a room can be immediately detected. It is not toxic in the true sense; but in large quantity it suffocates by replacing the oxygen of the air in a room. Unlike the victims of poisoning by water gas or illuminating gas carrying a high percentage of carbon monoxide, persons rendered unconscious by true coal gas can usually be quickly and completely restored to consciousness through artificial respiration, when removed to pure air.

Later on, water gas was introduced as an illuminant, and was adopted largely in the United States in preference to soft-coal gas.

Most gas companies in the United Kingdom have a coal-gas plant and an auxiliary water-gas plant for use when the coal supply is stopped by reason of strikes among the miners.

Water gas is manufactured by throwing steam into a retort full of red-hot coal or carbon, by which the steam is decomposed into hydrogen, the oxygen of the water combining with the carbon of the coal to form carbon monoxide. This gas has heating power, but little illuminating quality, and therefore it is necessary to carburet it, which is done by the addition of a sufficient quantity of carburetting material of the benzine series.

This water gas is highly poisonous; it contains, when carburetted, about 40 per cent carbon monoxide, and if it escapes unburnt and is taken into the lungs the actively poisonous carbon monoxide combines with the haemoglobin of the blood, with which it remains firmly fixed, and prevents the absorption of atmospheric oxygen, thus rapidly causing asphyxiation. It is this carbon monoxide which is the poisonous element in the deadly after-damp which occurs in coal-mine explosions.

An excellent account of the effects produced by carbon monoxide is given by Dr. Ivor J. Davies in an article in the *British Medical Journal* of July 11, 1914, wherein he described the effects of poisoning by carbon monoxide in the terrible explosion in the South Wales colliery, Senghenydd mine, in which 440 men were killed. He treated thirty-six cases of poisoning, eighteen of which recovered; the others died.

Numerous evidences of the poisonous character of this gas are to be found in newspaper reports of firemen being overcome by smoke.

At the present day, water gas is also supplied for cooking purposes. When used for illuminating purposes it is burned more generally in burners carrying mantles of



earthy material, rather than in open burners. These mantles become incandescent by the heat of the burning gas, so that the heat qualities are of more importance than candle power, and we are given to understand that the Government is proposing to abandon the standard of candle power and substitute the calorific power as a standard.

In the houses of the poorer classes, where the gas cooking stove is very often in the sleeping room, the flame may be extinguished by a draught from an open window, or by various other causes; this is a constant menace to human life.

The danger of using this water gas is shown by a case which occurred in the city by inhaling the gas which was escaping from two unlighted burners. A man going into the house found the place full of gas fumes, and the people insensible; assistance was sent for, consciousness restored and the people recovered.

The danger of using this gas is also shown in a newspaper clipping sent us by Dr. Mills from London, England, wherein the death of a man, his wife, and two children is recorded. Their deaths were due to an escape of gas from the main in the street through the ground into the basement of the house in which they lived.

We have found the records in the registry offices, both in Great Britain and in Canada, almost valueless for giving us the number of deaths due to this gas. In Montreal we have been able to obtain the following:—

DEATHS FROM POISONING BY GAS IN MONTREAL.

Reported from Health Department.. . . . .	by Dr. C. B. Ward.
“ Morgue.. . . . .	by Dr. Mactaggart.
“ Royal Victoria Hospital.. . . . .	by Dr. H. B. Cushing.
“ Notre Dame Hospital.. . . . .	by Dr. Hingston.
“ Hotel Dieu Hospital.. . . . .	by Dr. Hingston.
“ Montreal General Hospital.. . . . .	by Dr. Bourne.

Year.	Accident.	Suicide.	Total.
1907.. . . . .	3		
1908.. . . . .	10		
1909.. . . . .	11		
1910.. . . . .	28		
1911.. . . . .	11	1	
1912.. . . . .	19	3	
1913.. . . . .	8	2	
1914.. . . . .	9		
	99	6	105

Reported from Western Hospital, Montreal—by Dr. R. R. Scott.  
1914—5 cases C.O. poisoning, all recovered.  
1915—(so far) One case,—died from accompanying burns.

DEATHS FROM POISONING BY GAS IN THE CITY OF NEW YORK.

Reported by Dr. Wm. H. Guilfooy, Department of Health.

Year.	Accident.	Suicide.	Total.
1909.. . . . .	244	319	
1910.. . . . .	257	274	
1911.. . . . .	282	256	
1912.. . . . .	312	311	
1913.. . . . .	259	328	
	1,354	1,488	2,842



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Report of W. T. Sedgwick and F. Schneider, jr., of Institute of Technology, Boston, of deaths in the state of Massachusetts from gas, increasing in accordance with the increased use of C.O. (Water-gas).

Year.	Percentage of			Total.
	Water-gas in Total Gas.	Accidental Deaths.	Suicidal Deaths.	
1886-7..	1.61	5	2	7
1888..	1.56	7	1	8
1889..	2.43	2	2	4
1890..	6.34	5	2	7
1891..	22.20	18	1	19
1892..	36.60	9	12	21
1893..	40.80	7	9	16
1894..	55.00	14	15	29
1895..	61.00	28	17	45
1896..	62.00	20	13	33
1897..	65.40	47	16	63
1898..	64.60	48	29	77
1899..	63.80	35	35	70
1900..	51.40	35	15	50
1901..	32.30	11	26	37
1902..	37.70	9	39	48
1903..	38.40	47	30	77
1904..	42.30	29	35	64
1905..	41.30	41	23	64
1906..	30.70	35	30	65
1907..	44.70	41	51	92
1908..	44.50	55	93	148
1909..	48.60	46	102	148
				1,131

## DEATHS FROM POISONING BY GAS IN SAN FRANCISCO.

According to reports lately received from the Department of Public Health and Public Works, no records of death are available. The report of the Departmental Committee on Water-gas and other gases to the Houses of Parliament in London for 1899, page 118, shows that in San Francisco in a period of twenty-five years:—

Year	Accident.	Suicide.	Homicide.	Total.
1872-3 to 1896-7..	233	119	6	358

From the principal cities of Canada we have not been able to obtain any records.

There is a general complaint regarding the lack of registration returns in Great Britain and Canada on this subject, no reliable data being obtainable.

In the United States the same deplorable condition exists, with the exception of New York, the states of Massachusetts and Rhode Island. The information we have obtained from Boston is chiefly contained in a lecture delivered by Dr. Sedgwick before the Medical Society of New York. From that lecture we learn that during the last twenty years, in the state of Massachusetts, there has been an increase in the number of deaths from suffocation by illuminating gas from seven deaths per annum (in 1886-7) to 108 in 1909, and during that time water gas has been increasingly used. More than half of these 165 cases were due to suicide. There is no mention of any homicidal cases that we can find, except in San Francisco. As this poisonous gas is generally supplied and readily obtainable, there is danger of its increased use for homicidal purposes.

From these reports we can see how deaths have increased since the use of water gas, and how necessary it is to have some legal regulation as to its use in illuminating gas.

We would suggest that some more careful method of registration should be adopted, so that the actual cause of death and the number of deaths occurring through-



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out the country from this cause should be readily obtainable at least every year. We would also suggest that a daily record of the carbon monoxide contents of all gas supplies be taken by the gas inspector, and that the companies supplying this gas shall keep a record of the percentage of carbon monoxide gas supplied to the public daily.

We would advise the careful perusal of the report of the chemist of the London County Council on water gas in the London gas supply, and the report of the Departmental Committee in the British Parliament on the manufacture and use of water gas; also of the lecture by Professors Sedgwick and Schneider on the relation of illuminating gas to the public health, from the Sanitary Research Laboratory, Mass., Institute of Technology, Boston.

We beg to make the following recommendations:—

1. Your committee desire to place on record their dissatisfaction with the vital statistics of the various provinces in regard to deaths from carbon monoxide poisoning. Your committee would therefore suggest that the secretary of the Royal Society be instructed to write to the registrars general of the different provinces, and request that, if possible, more accurate record be kept of deaths from gas poisoning by their division registrars.

2. That the Department of Inland Revenue be requested to instruct their gas inspectors to determine the percentage of carbon monoxide in illuminating gas at the same time as they make the examination for sulphuretted compounds.

We have found that on account of the war it has not been possible to obtain the European statistics; your committee therefore wishes to submit this report merely as a report of progress, and asks permission to continue its work for another year.

In conclusion we wish to return our sincere thanks to all those who have so kindly and promptly responded to our requests for information on this most important subject.

Appended is a list of the cities from which we have received information as to the use of carbon monoxide in their gas supplies. There are very few records to be had of deaths by asphyxiation from this gas, either accidental or suicidal, but there are several parliamentary papers and pamphlets, obtained from many sources, accompanying this report.

List of cities to the mayors of which we applied for information and received replies: Aberdeen, Birmingham, Boston, Bristol, Derby, Edinburgh, Glasgow, Leeds, Liverpool, London, Montreal, Newcastle, New York, Ottawa, Philadelphia, Quebec, San Francisco, Swansea, Toronto, Vancouver, Washington.

List of papers accompanying this report:—

Parliamentary Report of Water Gas Committee London County Council on Water Gas:—

Gas Undertakings return No. 137.

Gas Undertakings return No. 138.

British Medical Journal No. 2793.

Circular Bureau of Standards U.S.A.

Inland Revenue Canada Gas Inspection Act.

Report Department of Labour No. 36, 1914.



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Haematology of Carbon Monoxide poisoning, Toronto.

Lecture by Professor Sedgwick and F. Schneider of Institute of Technology,  
Boston.

J. P. GIRDWOOD, *Chairman.*

R. F. RUTTAN,

JOHN J. MACKENZIE,

T. G. RODDICK.

OTTAWA, February 22, 1916.

Mr. DUNCAN E. SCOTT,

Honorary Secretary, The Royal Society of Canada,  
Ottawa, Ontario.

DEAR MR. SCOTT,—I beg to include herein a copy of a report from our Chief Engineer of Gas and Electricity, in reference to the matter on which I had the pleasure of a communication from you some time ago.

If there is anything further which I can do, I will be only too glad to communicate with you.

Yours very truly,

J. U. VINCENT,

*Deputy Minister.*

OTTAWA, February 21, 1916.

J. U. VINCENT, Esq.,

Deputy Minister of Inland Revenue,  
Ottawa.

SIR,—Referring to the letter of the secretary of the Royal Society of Canada on the subject of carbon monoxide in fuel gases and the accompanying report of the society on this question; I beg to report as follows:—

With regard to the report itself there is nothing contained therein to which much objection can be taken. There has been from the beginning and will be to the end, carbon monoxide in fuel gases, varying in quantity from 10 to 30 per cent, according to the method of manufacture. With reference to the statistics and the number of deaths occasioned by the inhaling of such gases, I might suggest that the heading "accidental" be replaced by the word "ignorance" or "carelessness." Even if all the carbon monoxide were removed from the gas there would still remain deleterious elements sufficient to cause death by suffocation, if enough of it were inhaled. The use of gas for domestic purposes can hardly be made fool proof, but doubtless something might be done to lessen the dangers arising therefrom.

Manufactured gas is not the only gas that contains carbon monoxide. Natural gas, of which infinitely larger quantities are used than of manufactured gas, contains high percentages of carbon monoxide and in some instances hydrogen sulphide, which is more noxious for the reason that the poison is not destroyed during the process of combustion, as is the case with carbon monoxide. Is it contended that these poisonous elements should be removed from the gas? Such a course is altogether impracticable. We might as well contend for the removal of poisonous elements



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during combustion from anthracite coal. The writer is aware of an instance where, through the misarrangement of a furnace damper a whole family was rendered helpless through the inhaling of escaping gases, and had the discovery of the condition been delayed but a very short time, the incident would have been attended with fatal results. This may have been due to "accident" or "carelessness," but in either case the element of danger is there. It will not help us very much to know whether the gas contains 10 per cent or 30 per cent of poisonous elements. The proper thing to do, in my opinion, would be to label it "POISON," and treat it accordingly.

It may be of interest to know what the Washington Bureau of Standards report (Circular 32) says on the subject:—

"A large proportion of the cases of death or illness caused by gas poisoning are suicidal, or are due to irresponsible conditions such as drunkenness, or to gross ignorance; and in the majority of these cases the character of the gas would perhaps have only a small influence upon the seriousness of the result. A smaller number of deaths and cases of gas poisoning are due, not to the illuminating gas itself, but to the carbon monoxide formed by combustion of the gas with insufficient supply of air, due to a faulty appliance or to an appliance improperly set or connected with insufficient or improper flues. These matters all have an important bearing upon the subject, and it is possible that the protection of the public from danger will be found to lie rather along lines of regulation of appliance form and setting and general education of gas users as to proper precautions than in the limitation of the carbon monoxide content of the gas itself."

The request made to this department is that our inspectors be instructed to test the gas for the quantity of carbon monoxide present when the test for sulphuretted hydrogen is being made. It may be stated that there is no similarity or relation between the two tests. In the case of sulphuretted hydrogen, the test is made simply by suspending a strip of litmus paper in a vessel through which the gas passes, and if there is any discoloration of the paper it shows that sulphuretted hydrogen is present. On the other hand, in order to give the percentage of carbon monoxide present it would be necessary to make a quantitative test with special apparatus, and would also involve the training of our men as to how the test should be made.

The difficulties complained of might be very largely eliminated by the use of proper appliances and a close inspection of the plumbing by the municipalities. For cooking purposes the gas might be used in inclosed ranges properly connected with ample flues to the chimney, and for lighting purposes by fittings that would admit of a sufficient quantity of air being mixed with the gas at the point of combustion.

These are matters of local concern and belong exclusively to the provincial legislatures and the municipalities. This department is concerned only with the weights and measures aspect of the case, that is, the accurate measurement of the gas through the meters and a determination as to whether or not the quantity of heat units are present. The question as to whether the gas is good or bad for the health of the users is one that rests with the provincial rather than with the federal authorities.

I remain, sir, your obedient servant,

ORMOND HIGMAN,

*Chief Engineer.*



SESSIONAL PAPER No. 13

THE ROYAL SOCIETY OF CANADA.

OTTAWA, February 25, 1916.

DEAR MR. VINCENT,—Please accept my thanks for your letter of the 22nd instant, inclosing copy of a report from your Chief Engineer of Gas and Electricity in reference to the memorandum of the committee of the Royal Society.

I am transmitting a copy of this report to the chairman of the committee.

Yours very truly,

DUNCAN E. SCOTT.

*Honorary Secretary.*

JOSEPH ULRIC VINCENT, Esq.,

Deputy Minister of Inland Revenue,

Ottawa, Ont.

At a subsequent meeting of the committee of the Royal Society the following report on the subject was made:—

“From a report obtained by the honorary secretary of the Royal Society and forwarded to us from the Deputy Minister of Inland Revenue, it is evident that the inspection and control of gas supplies from a hygienic point of view lies with the municipalities and the Provincial Governments. The Dominion Government controls only the calorific power of the gas.

It is further evident that gas for illumination purposes is largely being replaced even in the smaller towns by electricity.

Owing to the impossibility of obtaining proper statistics of deaths and injury from the use of the gas carrying a high percentage of carbon monoxide, and the increased development of its employment as a source of heat and power where the products of combustion and leakage are removed by pipes and chimneys, we consider that it is unwise at present to ask for legislative interference with its use.

Your committee is nevertheless fully convinced of the danger to the community arising from the use of water gas and similar gases carrying a large quantity of the poisonous carbon monoxide, and even if the amount of this poison in the gas cannot be controlled by law, every municipality should be informed by frequent analyses of the degree of danger from this source to which its inhabitants are exposed to using the public gas supply.”

G. P. GILBERT, *Chairman.*

T. G. ROBBICK,

R. F. ROSS,

#### ELECTRICITY INSPECTION.

The total revenue collected for meter inspection, etc., during the year ended March 31, 1916, was \$10,031.75, as compared with \$88,341.98 collected in the previous year. The total expenditures, including cost of inspection and maintenance of equipment, were \$67,942.37 as compared with \$112,048.00 for the year ended March 30, 1915.



7 GEORGE V, A. 1917

The combined services of electricity and gas, the duties connected with which are performed largely by one set of officers, shows the following financial results:—

Revenue.. . . .	\$116,086.55
Expenditure.. . . .	124,098.95
Deficit.. . . .	8,012.40

The somewhat serious falling-off in revenue from both branches of the service is due, partly by the dislocation of social conditions resulting from heavy enlistments for the war and the consequent closing out of meters from a large number of homes, and partly from certain companies taking advantage of war conditions to postpone the testing of their meters until some future date.

A comparative statement of revenue and expenditure for the combined services during the past ten years is as follows:—

Years.	Gas and Revenue.	Electricity. Expenditure.
1906-07.. . . .	\$ 57,868 18	\$ 30,793 84
1907-08.. . . .	86,552 20	48,831 75
1908-09.. . . .	92,450 21	54,018 71
1909-10.. . . .	100,647 20	55,514 14
1910-11.. . . .	112,150 25	63,385 03
1911-12.. . . .	117,917 45	80,537 87
1912-13.. . . .	138,090 95	93,000 83
1913-14.. . . .	143,386 40	113,014 76
1914-15.. . . .	139,403 25	124,233 49
1915-16.. . . .	116,086 55	124,098 95

A statement showing the quantities of electrical energy generated or produced for export and for consumption in Canada by certain hydro-electric companies under the authority of the Electricity and Fluid Exportation Act will be found in Appendix “J.”

The growing and somewhat insistent demand for power on the part of the municipalities of Ontario for industrial and domestic purposes has brought the question of a reduction of the export quantities granted by license to the hydro-electric companies at Niagara Falls before the department for revision. The Electricity Exportation Act provides that licenses to export “shall be revocable upon such notice to the licensee as the Governor in Council deems reasonable in each case.” Under the circumstances a yearly reduction in the quantities to be exported might be deemed a reasonable method of putting an end to the export.

A list of electric light and power companies registered under the provisions of the Electricity Inspection Act, with certain statistics connected with their operation will be found in Appendix “K.”

Electrical standardizing laboratories have been established at Ottawa and Vancouver, where the substandards used by the inspectors are adjusted and standardized periodically, also such electrical instruments as may be presented by the general public.

The equipment for another similar laboratory at Winnipeg has been provided, and awaits suitable accommodation for the installation thereof.

I have the honour to be, sir,  
Your obedient servant,

J. U. VINCENT,  
*Deputy Minister.*



APPENDIX A.

STATEMENT of Weights and Measures Expenditures and Revenues for the Fiscal Year ended March 31, 1916.

Inspection Divisions.	Inspectors.	EXPENDITURES						REVENUES
		Salaries.	Special Assist- ance.	Rent.	Travel- ling Expenses.	Stationery.	Total.	
		\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Belleville.....	Diamond, F. D..	3,499 68	78 00	622 00	1,114 32	243 86	5,557 86	2,294 86
Hamilton.....	Shaw, J. C.	2,099 52			2,144 23	143 43	4,387 18	10,642 30
Kingston.....	Gallagher, T.	2,099 52	675 20		1,026 16	60 65	4,461 53	3,489 45
London.....	Hughes, R. A.....	5,455 21	873 00	144 00	1,174 27	222 27	7,874 75	9,777 45
Ottawa.....	Hinchey, E. H....	5,501 73	7,393 45		1,723 36	111 08	14,729 52	7,000 17
Toronto.....	McConvey, J. J....	7,749 81	149 85		1,831 22	48 47	10,619 15	11,896 09
	Ontario.....	44,084 96	9,974 64	766 00	11,114 42	928 50	56,768 14	40,774 37
Montreal.....	Arrizabalaga, J. E.	12,543 76	3,000 96	975 01	2,473 91	243 45	19,237 05	12,022 30
Quebec.....	Roy, Chs. E.	8,174 00	1,147 34	490 00	3,179 85	171 00	13,162 19	5,068 65
St. John's.....	Delorme, O. C....	2,299 88	1,909 88	375 00	1,006 20	51 00	5,582 96	7,070 20
St. Hyacinthe.....	Morin, J. P.....	2,750 00	1,665 67		729 67	87 27	5,132 61	1,097 60
Three Rivers.....	Lesard, A.....	2,249 88	1,000 00		1,177 74	111 08	4,438 70	2,000 00
	Quebec.....	28,038 26	12,123 61	1,750 01	5,387 34	652 70	47,954 92	26,097 45
St. John, N. B.	Barr, J. L.	4,749 84	32 00		410 64	44 70	5,237 18	2,319 15
Halifax.....	O'Brien, Wm.	1,830 03	1,259 92	597 36	507 40	100 00	4,294 71	1,180 37
Port of.....	Dustan, W. M....	7,100 00	40 00		200 00	5 00	7,345 00	1,710 00
	Nova Scotia.....	5,029 83	1,307 92	597 36	1,230 07	201 21	8,366 39	7,000 00
Charlottetown,	Davy, E.....	1,443 50	75 75		317 40	15 75	2,852 40	300 00
Winnipeg, Man.	McKay, E.	4,274 10	60 00	400 00	4,200 00	315 30	9,249 40	4,000 00
Regina.....	Malone, D. J.	1,000 00	1,005 10		200 00	80 40	3,416 62	1,845 50
Saskatchewan.....	Johnston, Chs. W.	7,000 00	4,100 75	180 00	5,032 14	100 00	17,313 89	4,000 00
	Saskatchewan.....	5,249 86	4,202 85	180 00	3,341 30	100 00	13,174 01	11,000 00
Calgary, Alta.....	Costello, J. W.	4,300 00	18 00	240 00	2,834 07	107 40	7,499 47	4,000 00
Nelson.....	Parker, Thos.	1,144 50	400 00	180 00	344 30	111 00	2,180 80	1,000 00
Vancouver.....	Dutton, A. H.	2,000 00	40 00		244 15	144 40	2,428 55	1,000 00
	British Columbia.....	5,644 50	440 00	180 00	2,058 37	255 40	8,978 27	1,000 00
Dawson, Yukon.....	Stingle, J. W.....	800 00				80 00	1,000 00	0 00
Chief Inspector.....	Stingle	1,500 00			447 95	97 40	2,045 35	
Inspector of Fisheries.....	Stingle					177 00	1,000 00	
Total for Inspectors.....		99,428 73	30,713 96	4,400 01	38,740 85	2,000 00	171,282 55	111,000 00
MB's Training Office.....						1,000 00		1,000 00
General Contributions.....								
Printing.....						1,000 00		
Stationery.....						1,000 00		
Postage.....						1,000 00		
Expenditure on Weights and Measures.....						1,000 00		
Grand Totals.....		100,428 73	30,713 96	4,400 01	38,740 85	3,000 00	175,523 55	112,000 00



APPENDIX

RETURN of Weights and Measures inspected during the Fiscal Year ended and Rejected for each Division, for each

Inspection Office.	Weights.									Measures of Capacity.					
	Dominion.			Troy.			Mis- cellaneous.			Dominion.			Miscellaneous.		
	Brought for Verification.	Verified.	Rejected.	Brought for Verification.	Verified.	Rejected.	Brought for Verification.	Verified.	Rejected.	Brought for Verification.	Verified.	Rejected.	Brought for Verification.	Verified.	Rejected.
Belleville .....	1,383	1,333	50	.....	.....	.....	2	2	.....	929	929	.....	2,785	2,785	.....
Hamilton .....	7,956	7,921	35	.....	.....	.....	989	989	.....	8,294	8,294	.....	870	849	21
Kingston .....	917	917	.....	.....	.....	.....	8	8	.....	3,456	3,451	5	137	137	.....
London .....	2,727	2,725	2	.....	.....	.....	9	9	.....	24,193	24,193	.....	4,612	4,606	6
Ottawa .....	3,437	3,430	7	.....	.....	.....	1	1	.....	1,527	1,523	4	2,795	2,561	234
Toronto .....	3,950	3,950	.....	11	11	.....	14	14	.....	26,991	26,991	.....	7,155	7,151	4
Ontario .....	20,370	20,276	94	11	11	.....	1,023	1,023	.....	65,390	65,381	9	18,354	18,089	265
Montreal .....	11,433	11,291	142	53	53	.....	516	515	1	26,414	26,413	1	3,785	3,771	14
Quebec .....	7,003	6,772	231	.....	.....	.....	139	134	5	6,860	6,849	11	214	210	4
Sherbrooke ....	11,896	11,882	14	9	9	.....	397	397	.....	879	879	.....	209	207	2
St. Hyacinthe ...	1,042	1,042	.....	.....	.....	.....	.....	.....	.....	1,172	1,172	.....	67	38	29
Three Rivers ....	2,349	2,342	7	.....	.....	.....	7	7	.....	1,542	1,542	.....	80	80	.....
Quebec .....	33,723	33,329	394	62	62	.....	1,059	1,053	6	36,867	36,855	12	4,355	4,306	49
t. John, N.B. ...	2,076	2,076	.....	.....	.....	.....	.....	.....	.....	2,923	2,923	.....	4,692	4,689	3
Halifax .....	765	765	.....	.....	.....	.....	4	4	.....	466	466	.....	339	337	2
Pictou .....	1,040	1,040	.....	.....	.....	.....	4	4	.....	720	720	.....	238	218	20
Nova Scotia ..	1,805	1,805	.....	.....	.....	.....	8	8	.....	1,185	1,186	.....	577	555	22
Charlottetown, P.E.I. ....	243	243	.....	.....	.....	.....	.....	.....	.....	80	80	.....	15	15	.....
Winnipeg, Man. .	3,350	3,350	.....	9	9	.....	167	167	.....	7,292	7,289	3	1,927	1,891	36
Regina .....	166	166	.....	.....	.....	.....	.....	.....	.....	46	45	1	952	944	8
Saskatoon .....	533	533	.....	.....	.....	.....	.....	.....	.....	170	170	.....	139	132	7
Saskatchewan .	699	699	.....	.....	.....	.....	.....	.....	.....	216	215	1	1,091	1,076	15
Calgary, Alta ...	664	664	.....	.....	.....	.....	8	8	.....	4	4	.....	135	126	9
Nelson .....	414	414	.....	.....	.....	.....	1	1	.....	62	62	.....	22	22	.....
Vancouver .....	362	362	.....	.....	.....	.....	.....	.....	.....	9	9	.....	16	16	.....
Br. Columbia ..	776	776	.....	.....	.....	.....	1	1	.....	71	71	.....	38	38	.....
Dawson, Yukon..	105	105	.....	.....	.....	.....	37	37	.....	8	8	.....	2	2	.....
Totals .....	63,991	63,503	488	82	82	.....	2,303	2,297	6	114,037	114,012	25	31,186	30,787	399



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**B**

March 31, 1916, showing the Total Number brought for Verification, Verified Province, and for the whole Dominion.

Measures of Length.			Balances, etc											
			Equal Armed.			Steelyards.			Platform Scales. Weight Bridges, etc.			Miscellaneous.		
Brought for Verification.	Verified.	Rejected.	Brought for Verification.	Verified.	Rejected.	Brought for Verification.	Verified.	Rejected.	Brought for Verification.	Verified.	Rejected.	Brought for Verification.	Verified.	Rejected.
68	68	...	330	329	1	44	41	3	1,588	1,561	27	375	375	2
1,341	1,288	53	1,800	1,717	83	3,530	3,489	41	7,546	7,076	470	408	385	69
273	273	...	238	237	1	33	33	...	2,098	2,096	2	385	385	1
3,098	3,098	...	570	564	6	262	257	5	3,565	3,382	183	2,819	2,769	60
357	303	34	611	602	9	27	26	1	1,913	1,875	38	4,284	4,260	24
855	855	...	929	898	31	1,223	1,196	27	6,369	6,216	153	2,073	1,984	89
5,972	5,885	87	4,478	4,347	131	5,119	5,042	77	23,079	22,144	935	10,405	10,160	245
708	708	...	2,444	2,405	39	734	720	14	6,679	6,789	110	1,917	1,869	67
1,132	1,123	9	1,079	1,058	21	275	268	7	2,643	2,579	64	566	541	25
128	128	...	1,162	1,161	1	290	288	2	6,374	6,353	21	413	412	1
118	118	...	234	229	5	89	85	4	910	843	67	101	100	1
84	80	4	397	395	2	44	39	5	1,676	1,642	34	202	197	5
2,170	2,157	13	5,316	5,248	68	1,432	1,409	23	17,662	17,296	366	9,089	8,991	98
2	2	...	435	435	...	34	32	2	961	934	27	318	316	2
33	32	1	179	179	...	8	8	...	576	546	30	249	247	2
33	32	1	168	167	1	28	28	...	646	638	8	286	286	...
33	32	1	347	346	1	36	36	...	1,202	1,184	18	445	445	...
2	2	...	57	57	...	23	23	...	232	232	...	34	34	...
807	807	...	521	514	7	297	290	7	6,287	6,145	142	1,825	1,796	29
78	78	...	37	36	1	99	99	...	659	644	15	466	466	...
56	56	...	60	59	1	116	108	8	9,904	9,815	89	611	585	26
136	136	...	117	114	3	415	397	18	4,064	4,006	58	777	750	27
.....	.....	.....	74	74	...	30	29	1	1,142	1,075	67	411	396	15
32	32	...	98	98	...	74	74	...	578	578	...	318	318	...
.....	.....	.....	81	81	...	109	109	...	999	999	...	1,011	1,000	11
32	32	...	179	179	...	183	183	...	1,536	1,511	25	1,386	1,351	35
9,134	9,065	69	11,624	11,514	110	7,479	7,365	114	53,146	52,756	390	18,606	18,481	125

J. U. VINCENT,  
Deputy Minister.



APPENDIX

RETURN showing the Number of Dominion Weights and Lineal Measures of during the Fiscal Year

Inspection Division.	Dominion														
	Avoir-														
	60 lbs.	30 lbs.	15 lbs.	7 lbs.	3 lbs.	1 lb.	1/2 lb.	1/4 lb.	1/8 lb.	1/16 lb.	1/32 lb.	1/64 lb.	1/128 lb.	1/256 lb.	1/512 lb.
Belleville . . . . .	32	32	..	2	56	69	153	318	290	104	97	89			
Hamilton... . . . .	874	38	..	7	26	447	60	1,182	1,745	1,786	579	328	246		
Kingston... . . . .					13	32	63	95	281	227	70	52	43		
London... . . . .		3	..	2	10	77	79	246	577	533	264	259	250		
Ottawa . . . . .					4	91	47	195	392	315	410	390	374		
Toronto . . . . .	41				126	290	351	242	1,089	886	212	190	194		
Ontario. . . . .	947	73	..	9	181	993	669	2,113	4,402	4,031	1,639	1,323	1,196		
Montreal..... . . . .	265	1		5	247	809	674	1,144	2,285	2,004	1,117	942	812		
Quebec . . . . .	97	15	3	13	53	379	498	517	1,054	998	899	877	763		
Shedbrook . . . . .	1,940		1	113	279	54	1,927	93	1,878	1,446	723	513	483		
St. Hyacinthe..... . . . .					1	68	29	161	211	196	144	90	60		
Three Rivers . . . . .	79					152	73	370	403	372	284	258	171		
Quebec . . . . .	2,381	14	4	131	580	1,462	3,101	2,285	5,831	5,010	3,167	2,681	2,289		
St. John, N. B. . . . .	80				21	104	114	179	495	418	218	163	133		
Halifax.... . . . .	40				10	25	58	56	230	147	69	50	41		
Pictou . . . . .	298	1	3	1	5	17	46	129	201	151	49	45	37		
Nova Scotia... . . . .	338	1	3	1	15	42	104	185	437	298	118	95	78		
Charlottetown, P.E.I. . . . .					2	9	22	22	76	34	16	17	13		
Winnipeg, Man..... . . . .	918	34	9	67	79	112	189	141	625	520	193	152	143		
Regina . . . . .						5	1	9	30	27	22	18	18		
Saskatoon . . . . .	4	6	4	6	4	11	16	18	92	80	56	41	40		
Saskatchewan... . . . .	4	6	4	6	4	11	21	27	123	107	75	62	58		
Calgary, Alta..... . . . .	22	102	3	44	23	19	47	32	110	9	22	22	22		
Nelson . . . . .					1	12	14	36	97	71	46	42	40		
Vancouver . . . . .	1	10	1	5	10	11	26	17	165	86	24	25	12		
British Columbia. . . . .	1	10	1	5	17	23	40	53	202	151	70	67	52		
Dawson, Yukon.... . . . .						12	3	18	31	25	16				
Totals . . . . .	4	4,693	33	26	261	929	2,827	4,310	5,055	12,330	10,710	5,534	4,580	3984	



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C

each Denomination presented for Verification in each Inspection Division ended March 31, 1916.

Weights.							Troy Weights.	Miscellaneous Weights.	Liquid Measures.										Miscellaneous Measures.
dry ails.									6 feet.	5 feet.	1 yard.	3 yard.	2 feet.	1 foot.	6 feet.	100 feet chain.	66 feet chain.	Tape or ribbon.	
1 oz.	2 drs.	4 drs.	8 drs.	1 dr.	1 dr.	Total Number.													
81	37	19	1	1		1,383		2			68								
249	211	147	19	10	2	7,956		580		2	1,339								1,339
23	8	4	2	1		917		8			27								27
240	135	44	6	2		2,727		9			3,098								3,098
359	328	504	11	11	4	3,437		1			867								867
183	47	28	31	37	3	3,950	11	14			855								855
1,139	766	749	70	62	9	20,370	11	1,023		2	5,979								5,979
625	278	136	98	88	3	11,433		516			708								708
576	144	146	16	7	1	7,001		149			1,132								1,132
509	538	446	337	322	304	11,890	2	337			128								1,260
37	22	9	10		1	1,941					148								148
103	59	32	1			2,349		7			64								64
1,341	1,022	727	462	450	300	33,723	62	1,006			2,479								2,479
88	42	11	4	2	1	2,076					2								2
23	16					765		4											
25	16	19	4	1	1	1,040	....	1			33								36
44	39	19	4	1	1	1,805		6			60								36
6	1	5	1			243					9								9
134	101	72	27	13		4,209	8	167			807								1,614
15	10	8	2	1		408					781								781
41	38	41	15	9	1	533	....												533
60	46	30	17	16	1	650					186								650
21	20	16	13	6		604		6											604
30	16	6	1			414		0			32								414
10	10	7	3			302													302
4	38	15	4			716													716
						106													106
0,394	2,045	1,044	601	515	305	69,091	98	2,300		2	8,196								8,196

J. U. VINCENT.

Deputy Master.



APPENDIX

RETURN showing the Number of Dominion Weights and Lineal Measures of each  
March

Inspection Division.	Dominion													
	Avoir													
	60 lbs.	50 lbs.	30 lbs.	25 lbs.	20 lbs.	10 lbs.	5 lbs.	4 lbs.	3 lbs.	2 lbs.	1 lb.	8 ozs.	4 ozs.	2 ozs.
Belleville.....		32	32			2	54	67	145	301	271	102	97	89
Hamilton.....		874	38		7	26	447	60	1,182	1,745	1,786	573	322	240
Kingston.....						13	32	63	95	281	227	70	53	43
London.....			3		2	10	77	79	246	577	533	263	258	250
Ottawa.....						4	91	47	195	392	315	408	389	373
Toronto.....		41				126	290	351	242	1,089	880	212	196	194
Ontario.....		947	73		9	181	991	667	2,105	4,385	4,012	1,628	1,315	1,189
Montreal..		265	1		5	243	800	569	1,134	2,262	1,976	1,087	926	798
Quebec.....		97	13	3	13	49	362	474	496	1,014	967	866	848	740
Sherbrooke.....		1,940		1	113	279	53	1,925	91	1,875	1,443	722	512	482
St Hyacinthe.....						1	68	29	161	211	196	144	90	60
Three Rivers.....		79					152	71	370	401	370	283	25	171
Quebec.....		2,381	14	4	131	572	1,435	3,068	2,252	5,763	4,952	3,102	2,635	2,251
St. John, N.B.....		80				21	104	114	179	495	418	218	163	133
Halifax.....		40				10	25	58	56	236	147	69	50	41
Pictou.....		298	1	3	1	5	17	46	129	501	151	49	45	37
Nova Scotia.....		338	1	3	1	15	42	104	185	437	298	118	95	78
Charlottetown, P.E.I.....						2	9	22	22	75	54	16	15	13
Winnipeg, Man.....		918	34	9	67	79	112	189	141	625	520	193	152	143
Regina.....							5	1	9	30	27	22	18	18
Saskatoon.....	4	6	4	6	4	11	16	20	18	92	80	53	44	40
Saskatchewan.....	4	6	4	6	4	11	21	21	27	122	107	75	62	58
Calgary, Alta....		22	102	3	44	23	49	47	32	110	90	22	22	22
Nelson.....						1	12	14	36	97	71	46	42	40
Vancouver.....		1	10	1	5	16	11	26	17	105	80	24	25	12
British Columbia..		1	10	1	5	17	23	40	53	202	151	70	67	52
Dawson, Yukon.....							12	3	18	31	25	16		
Totals.....	4	4,693	238	26	261	921	2,798	4,275	5,014	12,245	10,627	5,458	4,526	3,939



SESSIONAL PAPER No. 13

C---Continued.

Denomination Verified in each Inspection Division during the Fiscal Year ended 31, 1916.

Weights.							Troy Weights.	Miscellaneous Weights.	Lineal Measures.										Miscellaneous Measures.
dupois.									6 feet.	5 feet.	1 yard.	1/2 yard.	2 feet.	1 foot.	1/2 foot.	100 feet chains.	66 feet chains.	Tape or ribband.	
83	37	19	1	1	...	1,333	...	2	...	...	68	...	...	...	...	...	...	...	68
243	205	143	18	10	2	7,921	...	989	...	...	1,288	...	...	...	...	...	...	...	1,288
25	8	4	2	1	...	917	...	8	...	...	273	...	...	...	...	...	...	...	273
249	135	44	6	2	...	2,725	...	9	...	...	3,074	...	...	...	...	...	...	...	3,074
358	327	595	11	11	4	3,430	...	1	...	...	303	...	...	...	...	...	...	...	303
183	47	28	31	37	3	3,950	11	14	...	...	855	...	...	...	...	...	...	...	855
1,132	759	743	69	62	9	20,276	11	1,023	...	...	5,885	...	...	...	...	...	...	...	5,885
623	277	136	98	88	3	11,291	53	515	...	...	708	...	...	...	...	...	...	...	708
568	133	105	16	7	1	6,772	...	134	...	...	1,123	...	...	...	...	...	...	...	1,123
500	538	445	337	322	304	11,882	9	397	...	...	128	...	...	...	...	...	...	...	128
37	22	9	10	3	1	1,042	...	...	...	...	118	...	...	...	...	...	...	...	118
103	50	32	1	...	...	2,342	...	7	...	...	80	...	...	...	...	...	...	...	80
1,831	1,020	727	462	420	309	33,329	62	1,053	...	...	2,157	...	...	...	...	...	...	...	2,157
88	12	14	4	2	1	2,076	...	...	...	...	2	...	...	...	...	...	...	...	2
23	10	...	...	...	...	765	...	4	...	...	...	...	...	...	...	...	...	...	...
25	16	10	4	1	1	1,040	...	4	...	...	32	...	...	...	...	...	...	...	32
48	26	10	4	1	1	1,805	...	8	...	...	32	...	...	...	...	...	...	...	32
6	3	5	1	...	...	243	...	...	...	...	2	...	...	...	...	...	...	...	2
134	101	72	27	14	...	3,530	9	167	...	...	807	...	...	...	...	...	...	...	807
15	10	8	2	1	...	166	...	...	...	...	78	...	...	...	...	...	...	...	78
41	38	31	15	9	1	533	...	...	...	...	68	...	...	...	...	...	...	...	68
56	48	39	17	10	1	699	...	...	...	...	100	...	...	...	...	...	...	...	100
21	20	16	13	6	...	664	...	8	...	...	...	...	...	...	...	...	...	...	...
38	10	6	1	...	...	414	...	1	...	...	30	...	...	...	...	...	...	...	30
10	10	7	2	...	...	163	...	...	...	...	...	...	...	...	...	...	...	...	...
43	20	13	2	...	...	776	...	1	...	...	30	...	...	...	...	...	...	...	30
...	...	...	...	...	...	105	...	37	...	...	...	...	...	...	...	...	...	...	...
2,364	2,039	1,679	660	515	321	63,695	62	2,297	...	...	2,092	...	...	...	...	...	...	...	2,092

J. U. VINCENT,  
Deputy Minister.



7 GEORGE V, A. 1917

APPENDIX

RETURN showing the Number of Dominion Weights and Lineal Measures of each March

Inspection Division.	Dominion														
	Avoir														
	60 lb.	50 lb.	30 lb.	25 lb.	20 lb.	10 lb.	5 lb.	4 lb.	3 lb.	2 lb.	1 lb.	8 oz.	4 oz.	2 oz.	
Belleville.....							2	2	8	17	19	2			
Hamilton .....												1	6	6	
Kingston.....															
London .....												1	1		
Ottawa.....												1	1	1	
Toronto.....															
Ontario.....							2	2	8	17	19	11	8	7	
Montreal.....						4	9	5	10	25	28	30	16	14	
Quebec.....						1	17	21	21	40	31	33	29	23	
Sherbrooke.....							1	2	2	7	3	1	1	1	
St. Hyacinthe.....															
Three Rivers.....								1		2	2	1			
Quebec.....						8	27	33	33	68	61	65	46	38	
St. John, N B.....															
Halifax.....															
Pictou.....															
Nova Scotia.....															
Charlottetown, P.E.I.....															
Winnipeg, Man.....															
Regina.....															
Saskatoon.....															
Saskatchewan.....															
Calgary, Alta.....															
Nelson.....															
Vancouver.....															
British Columbia.....															
Dawson, Yukon.....															
Totals.....						8	29	35	11	85	83	76	51	45	







APPENDIX

RETURN showing the number of Dominion Measures of Capacity, Balances and Inspection Division, during the

Inspection Division.	Measures of Capacity.											
	Dominion.											
	Bushel.	$\frac{1}{4}$ Bushel.	Peck.	Gallon.	$\frac{1}{2}$ Gallon.	Quart.	Pint.	$\frac{1}{2}$ Pint.	Gill.	$\frac{1}{2}$ Gill.	Total Num-ber.	Miscel-laneous.
Belleville.....	5	7	33	220	221	289	149	3	2	...	929	2,785
Hamilton.....	497	307	853	1,475	1,089	2,049	1,599	413	11	1	8,294	870
Kingston.....	6	362	227	572	783	841	589	75	1	....	3,456	137
London.....	420	924	557	3,597	4,352	8,060	5,761	522	.....	.....	24,193	4,612
Ottawa.....	.....	2	18	234	454	531	249	39	.....	.....	1,527	2,795
Toronto.....	439	1,989	1,720	5,756	3,399	7,883	5,302	503	.....	.....	26,991	7,155
Ontario .....	1,360	3,591	3,388	11,854	10,298	19,653	13,649	1,555	14	1	65,390	18,354
Montreal ..	4	918	1,548	3,935	4,638	6,473	6,607	2,057	191	43	26,414	3,785
Quebec.....	.....	123	217	1,479	1,884	1,790	1,018	312	37	....	6,860	214
Sherbrooke.....	.....	19	19	207	250	240	125	19	.....	.....	879	209
St. Hyacinthe...	.....	17	32	236	236	295	174	66	15	1	1,172	67
Three Rivers.....	.....	8	15	294	472	407	256	80	10	...	1,542	80
Quebec.....	4	1,085	1,831	6,151	7,480	9,205	8,180	2,534	253	44	36,867	4,355
St. John, N.B.....	.....	110	135	513	731	722	656	53	3	...	2,923	4,692
Halifax.....	3	9	7	114	182	106	37	4	3	1	466	339
Pictou.....	.....	1	1	139	280	215	84	.....	.....	.....	720	238
Nova Scotia .....	3	10	8	253	462	321	121	4	3	1	1,186	577
Charlottetown, P.E.I..	.....	.....	.....	1	8	45	25	1	.....	..	80	15
Winnipeg, Man....	85	.....	1	1,580	1,550	2,469	1,514	90	3	....	7,292	1,927
Regina .....	.....	.....	.....	18	16	5	7	.....	.....	.....	46	952
Saskatoon.....	.....	.....	.....	75	46	30	16	3	.....	.....	170	139
Saskatchewan .....	.....	.....	.....	93	62	35	23	3	.....	.....	216	1,091
Calgary, Alta.....	.....	.....	.....	1	1	.....	2	.....	.....	.....	4	135
Nelson. ....	.....	.....	.....	22	21	14	4	1	.....	.....	62	22
Vancouver..	.....	.....	1	1	.....	2	4	1	.....	.....	9	16
British Columbia..	.....	.....	1	23	21	16	8	2	...	.....	71	38
Dawson, Yukon.....	..	.....	.....	2	2	2	2	....	.....	...	8	2
Grand total.	1,452	4,79	5,364	20,471	19,884	32,468	24,180	4,242	273	88	114,037	31,186



SESSIONAL PAPER No. 13

D

Weighing Machines of each Denomination presented for verification, in each Fiscal Year ended March 31, 1916.

Balances.																
With Equal Arms.				Steel Yards with Divided Arms.				Weigh Bridges or Platform Scales.						Total.	Miscellaneous.	
25 lbs. and under.	26 lbs. to 50 lbs.	51 lbs. to 100 lbs.	101 lbs. and upwards.	500 lbs. and under.	501 lbs. to 1,000 lbs.	1,001 lbs. to 2,000 lbs.	2,001 lbs. and upwards.	250 lbs. and under.	251 lbs. to 500 lbs.	501 lbs. to 2,000 lbs.	2,001 lbs. to 4,000 lbs.	4,001 lbs. to 6,000 lbs.	6,001 lbs. and upwards.			
186	112	32	...	39	3	2	...	412	97	613	131	24	281	1,962	375	
1,775	3	...	22	3,495	33	2	...	5,135	138	1,446	293	126	408	12,870	488	
237	1	...	...	31	2	...	...	525	121	1,265	55	38	141	2,369	186	
564	4	1	1	259	3	...	...	269	117	1,737	26	96	66	4,997	2,816	
605	6	...	...	25	1	1	...	620	137	822	61	57	215	2,051	4,184	
905	19	5	...	1,191	7	25	...	4,291	101	1,302	216	69	200	8,321	2,974	
4,272	145	38	23	5,046	49	30	...	11,652	711	7,126	1,046	410	2,134	22,970	19,400	
2,097	349	4	3	717	12	3	2	2,044	1,154	2,096	225	116	424	9,237	1,917	
880	184	2	13	242	16	4	3	893	749	779	59	67	96	3,997	726	
880	218	49	15	269	8	5	8	1,154	713	1,001	128	158	219	7,825	310	
234	...	...	...	88	...	1	...	432	365	20	57	83	15	1,233	101	
395	2	...	...	44	...	...	...	459	469	666	15	21	46	2,117	905	
4,486	744	55	31	1,360	46	13	13	7,982	3,389	4,562	484	445	890	24,410	3,085	
434	1	...	...	33	1	...	...	341	155	312	36	13	105	1,436	518	
176	3	...	...	7	1	...	...	232	52	149	14	14	26	745	246	
162	3	...	3	28	...	...	...	259	89	138	15	12	132	845	296	
338	6	...	3	35	1	...	...	491	141	287	29	20	228	1,382	455	
56	1	...	...	22	1	...	...	64	21	115	4	9	19	312	94	
485	11	...	25	204	2	1	...	525	168	736	251	467	1,076	4,015	1,835	
37	...	...	...	91	7	1	...	77	7	99	21	140	366	756	150	
80	...	...	...	312	4	...	...	373	12	246	94	80	1,836	3,706	621	
117	...	...	...	493	11	1	...	459	19	246	115	982	2,142	4,566	777	
62	2	1	9	15	11	4	...	223	14	249	26	111	475	1,216	411	
98	...	...	...	11	12	20	1	250	17	250	10	7	86	740	314	
76	...	1	4	96	31	37	21	735	32	422	36	15	96	1,146	1,031	
174	...	1	4	61	13	27	22	286	49	65	77	40	119	1,080	1,200	
10,474	910	95	95	7,175	195	105	85	37,385	4,607	14,407	7,107	2,466	7,146	72,146	16,678	

J. U. VINCENT,  
Deputy Messenger



APPENDIX

RETURN showing the Number of Dominion Measures of Capacity, Balances and during the Fiscal Year

Inspection Division.	Measures of Capacity.											
	Dominion.											
	Bushel.	Half bushel.	Peck.	Gallon.	Half gallon.	Quart.	Pint.	Half pint.	Gill.	Half gill.	Total number.	Miscellaneous.
Belleville. . . . .	5	7	33	220	221	289	119	3	2		929	2,785
Hamilton. . . . .	497	307	853	1,475	1,089	2,049	1,599	410	11	1	8,294	849
Kingston. . . . .	6	362	227	570	782	840	588	75	1		3,451	137
London. . . . .	420	924	557	3,597	4,352	8,060	5,761	522			24,193	4,606
Ottawa. . . . .		2	18	233	151	531	219	39			1,523	2,561
Toronto. . . . .	439	1,989	1,720	5,756	3,399	7,883	5,302	503			26,591	7,151
Ontario. . . . .	1,367	3,591	3,408	11,851	10,294	19,652	13,648	1,555	14	1	65,181	18,089
Montreal. . . . .	4	918	1,548	3,934	4,638	6,473	6,607	2,057	191	43	26,415	3,771
Quebec. . . . .		123	217	1,475	1,881	1,786	1,018	312	37		6,849	210
Sherbrooke. . . . .		19	19	207	256	249	125	19			879	207
St. Hyacinthe. . . . .		17	32	236	336	295	174	66	15	1	1,172	38
Three Rivers. . . . .		8	15	294	472	407	256	80	10		1,542	80
Quebec. . . . .	1	1,085	1,831	6,146	7,577	9,201	8,180	2,534	253	44	36,855	4,306
St. John, N.B. . . . .		110	135	513	731	722	656	53	3		2,925	4,689
Halifax. . . . .		9	7	114	182	106	57	4	3	1	416	337
Pictou. . . . .		1	1	139	380	215	84				729	218
Nova Scotia. . . . .	3	10	8	253	462	321	121	4	3	1	1,186	555
Charlottetown, P.E.I. . . . .				1	8	45	25	1			80	15
Winnipeg, Man. . . . .	85		1	1,580	1,550	2,466	1,514	90	3		7,289	1,891
Regina. . . . .				18	15	5	7				45	944
Saskatoon. . . . .				75	46	30	16	3			170	132
Saskatchewan. . . . .				93	61	35	23	3			215	1,076
Calgary, Alta. . . . .				1	1		2				4	126
Nelson. . . . .				22	21	14	4	1			62	22
Vancouver. . . . .			1	1		2	1	1			9	16
British Columbia. . . . .			1	23	21	16	8	2			71	38
Dawson, Yukon. . . . .				2	2	2	2				8	2
Totals. . . . .	1,459	4,796	5,384	20,463	20,707	32,460	24,179	4,242	276	46	111,012	39,787



## SESSIONAL PAPER No. 13

## D—Continued.

Weighing Machines of each Denomination verified, in each Inspection Division, ended March 31, 1916.

Balances.															
With equal arms.				Steel yards with divided arms.				Weigh Bridges or Platform Scales.						Total	Miscellaneous.
25 lbs. and under.	26 lbs. to 50 lbs.	51 lbs. to 100 lbs.	101 lbs. and upwards.	500 lbs. and under.	601 lbs. to 1,000 lbs.	1,001 lbs. to 2,000 lbs.	2,001 lbs. and upwards.	250 lbs. and under.	251 lbs. to 500 lbs.	501 lbs. to 2,000 lbs.	2,001 lbs. to 4,000 lbs.	4,001 lbs. to 6,000 lbs.	6,001 lbs. and upwards.		
186	111	32	..	36	3	2	..	437	25	604	122	22	274	1,804	873
1,692	..	..	22	3,454	3	2	..	5,076	116	1,341	254	111	278	12,282	..
236	1	..	..	31	2	..	..	521	112	1,167	51	34	140	2,306	..
558	4	1	1	254	..	..	..	606	113	1,666	28	..	629	4,298	2,750
340	6	..	..	21	1	1	..	612	120	804	60	70	111	2,561	4,260
874	19	5	..	1,161	7	2	..	4,253	80	1,251	180	47	277	8,010	1,984
4,142	144	38	23	4,963	49	30	..	11,312	658	6,733	976	360	1,909	31,702	10,160
2,056	332	4	2	703	12	3	2	1,980	1,107	1,979	253	107	400	8,914	1,800
802	181	2	13	237	24	4	2	479	734	757	51	60	80	3,905	341
879	218	49	15	207	8	5	8	1,140	710	993	107	127	917	7,202	312
220	..	..	..	81	..	1	..	406	274	19	..	77	15	1,787	100
300	2	..	..	25	..	..	..	402	337	654	18	20	40	2,070	100
4,429	733	55	31	1,330	44	13	1	7,870	6,280	4,060	102	400	707	30,861	2,991
436	1	..	..	31	1	..	..	338	100	200	31	12	27	1,001	246
170	3	..	..	25	1	..	..	232	50	140	13	14	80	720	107
161	3	..	3	28	..	..	..	304	80	147	12	10	131	560	200
247	0	..	3	25	1	..	..	190	141	283	27	30	110	1,200	450
105	1	..	..	42	1	..	..	61	31	110	4	5	15	312	31
400	11	..	10	197	2	1	..	300	100	200	21	40	1,000	2,000	1,000
33	..	..	..	91	1	1	..	60	6	50	14	10	..	..	100
77	..	..	..	204	4	..	..	80	15	237	80	200	1,800	3,100	..
112	..	..	..	300	11	1	..	426	30	300	100	800	1,000	2,000	700
62	2	1	9	14	11	1	..	114	11	105	25	100	108	1,075	300
90	..	..	..	41	10	80	1	200	17	500	10	5	80	500	910
76	..	1	4	90	33	24	24	300	20	470	20	10	20	1,300	1,000
174	..	1	4	61	40	32	20	301	10	910	71	20	170	1,020	1,300
10,700	800	90	90	7,000	100	100	20	22,000	4,000	24,000	1,000	2,000	6,000	60,000	14,000

J. U. VINCENT.

*Deputy Minister.*



APPENDIX

RETURN showing the Number of Dominion Measures of Capacity, Balances and during the Fiscal Year

Inspection Division.	Measures of Capacity.										
	Dominion.										
	Bushel.	Half Bushel.	Peck.	Gallon.	Half Gallon.	Quart.	Pint.	Half Pint.	Gill.	Half Gill.	Total Number.
Belleville .....											
Hamilton .....											21
Kingston .....				2	1	1	1				5
London .....											6
Ottawa .....				1	3						4
Toronto .....											4
Ontario .....				3	4	1	1				9
Montreal .....				1							1
Quebec .....				4	3	4					11
Sherbrooke .....											2
St. Hyacinthe .....											29
Three Rivers .....											
Quebec .....				5	3	4					12
St. John, N.B. ....											3
Halifax .....											2
Pictou .....											20
Nova Scotia .....											22
Charlottetown, P.E.I. ....											
Winnipeg, Man. ....						3					3
Regina .....					1						1
Saskatoon .....											8
Saskatchewan .....					1						1
Calgary, Alberta .....											9
Nelson .....											
Vancouver .....											
British Columbia .....											
Dawson, Yukon .....											
Totals .....				8	8	8	1				25



SESSIONAL PAPER No. 13

D—Concluded.

Weighing Machines of each Denomination Rejected in each Inspection Division, ended March 31, 1916.

Balances.															
With Equal Arms.				Steel Yards with Divided Arms.				Weigh Bridges or Platform Scales.						Total	Miscellaneous.
25 lbs. and under.	26 lbs. to 50 lbs.	51 lbs. to 100 lbs.	101 lbs. and upwards.	500 lbs. and under.	501 lbs. to 1,000 lbs.	1,001 lbs. to 2,000 lbs.	2,001 lbs. and upwards.	250 lbs. and under.	251 lbs. to 500 lbs.	501 lbs. to 2,000 lbs.	2,001 lbs. to 4,000 lbs.	4,001 lbs. to 6,000 lbs.	6,001 lbs. and upwards.		
83	1			3				5	2	9	2	2	7	31	2
1				41				59	22	205	39	15	136	544	24
5	1			5				6	9	38	1	4	4	67	1
9				1				24	4	71	10	7	67	194	60
31				27				8	4	19	1	4	4	50	24
								38	12	51	17	22	13	211	8
129	2			77				140	53	393	70	54	225	1,149	245
31	8			14				54	47	124	12	9	24	323	67
18	3			5	2			14	15	22	2	4	7	92	2
1				2				5	4	8	1	1	2	24	1
5				4				26	29	1	5	6		76	8
2				5				7	12	12	2	1		41	7
57	11			30	2			106	107	167	22	24	35	561	80
				2				3	5	10	2	1	6	29	5
1								1		3			7	10	1
										1	2	2	2	9	
1								1		4	2	2	9	19	7
5			2	7				15	8	30	8	0	73	136	150
2								14	1	20	7	17	60	100	17
1				18				10		10	6	67	414	504	20
3				18				24	1	39	12	84	640	734	80
				1				9		16		1	37	64	20
								4		0	1		1	14	8
								4		0	1		1	15	9
105	18			105	2			202	154	600	107	175	308	2,710	320

J. U. VINCENT,  
Deputy Minister.



APPENDIX E.

STATEMENT of Gas Inspection Expenditures and Revenues for the Fiscal Year ended March 31, 1916.

Districts.	Inspectors.	Expenditures.						Revenues.
		Salaries.	Special Assistance.	Rent.	Travelling Expenses.	Sundries.	Total.	
		\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Bellefille .....	Fraser, H. ....	99 96	81 00	200 00	272 25	75 41	728 65	1,612 00
Hamilton .....	Lutz, H. ....	3,949 92	968 00	120 00	570 15	186 21	5,784 28	6,895 45
London .....	Nash, A. F. ....	5,493 68	84 00	.....	557 55	128 94	6,264 17	7,546 15
Ottawa .....	Morrison, A. C. ..	4,599 72	3,033 02	429 90	.....	54 95	8,117 59	2,635 65
Toronto .....	Stiver, J. L. ....	11,724 48	180 00	165 00	269 80	263 69	12,602 97	11,347 90
Ontario .....		25,867 76	4,336 02	914 90	1,669 75	709 23	33,497 66	30,037 15
Montreal ..	Aubin, A. ....	7,899 84	66 00	400 00	58 20	107 67	8,531 71	7,470 45
Quebec ..	Cantin, J. A., Act'g	499 92	.....	.....	.....	.....	499 92	870 30
Sherbrooke ..	Simpson, A. F. ....	499 92	.....	.....	.....	.....	499 92	186 10
St. Hyacinthe ..	Aubin, A., Act'g ..	.....	.....	.....	.....	.....	.....	110 60
Quebec .....		8,899 68	66 00	400 00	58 20	107 67	9,531 55	8,637 45
Fredericton .....	Wilson, J. E., Act'g	99 96	.....	.....	.....	.....	99 96	.....
St. John ..	Wilson, J. E. ....	1,988 60	20 00	.....	179 40	43 10	2,231 10	614 90
New Brunswick ..		2,088 56	20 00	.....	179 40	43 10	2,331 06	614 90
Halifax, N.S. ..	Teale, John. ....	2,299 88	.....	507 36	.....	.....	2,907 24	560 75
Charlottetown, P.E.I. ..	Bell, J. H. ....	499 92	.....	.....	.....	.....	499 92	75 10
Winnipeg, Man ..	Hamilton, R. ....	6,749 88	.....	.....	.....	155 35	6,905 21	2,567 45
Calgary, Alb. ..	Kyle, W. P. ....	.....	61 32	.....	153 65	117 16	332 13	1,178 85
Vancouver .....	Scott, John .....	.....	.....	.....	.....	27 00	27 00	1,804 75
Victoria .....	Dresser, F. ....	1,499 88	.....	.....	10 30	.....	1,510 18	558 40
British Columbia ..		1,499 88	.....	.....	10 30	27 00	1,537 18	2,363 15
Inspector of Eastern Dominion ..		.....	.....	.....	407 30	22 76	430 06	.....
Inspector for Western Dominion ..		.....	165 66	.....	485 30	83 58	735 54	.....
Totals for Inspectors ..		48,005 56	4,650 00	1,822 26	2,963 90	1,265 83	58,707 55	46,034 80
General Contingencies .....		.....	.....	.....	.....	1,991 09	1,991 09	.....
Printing .....		.....	.....	.....	.....	4,458 04	4,458 04	.....
Stationery .....		.....	.....	.....	.....	1,098 90	1,098 90	.....
Grand Totals .....		48,005 56	4,650 00	1,822 26	2,963 90	8,813 86	66,256 58	46,034 80



APPENDIX F.



APPENDIX

RETURN of the Coal and Water Gas Companies registered and

NOTE : Calorimetric Regulations

Company.			
Location.	Name.	Kind of Gas.	Number of Meters.
Barrie, Ont.....	Barrie Gas Co .....	Carburetted Water Gas	631
		"	
		"	
		"	
Belleville, Ont.....	Corporation of Belleville. ....	Carburetted Water Gas	1465
		"	
		C.W. G. and Coal Gas..	
		"	
Berlin, Ont.....	Corporation of Berlin. ....	Coal Gas.	2827
		"	
		"	
		"	
		"	
		"	
Brockville, Ont.....	Corporation of Brockville... ..	Carburetted Water Gas	1627
		"	
		"	
		"	
		"	
		"	
Charlottetown, P.E.I....	Charlottetown Light and Power Co.....	Coal Gas.	96
		"	
		"	
		"	
		"	
		"	
Cobourg, Ont .....	Cobourg Gas Light and Water Co.. ....	Coal Gas.	125
		"	
		"	
		"	
		"	
		"	

\* Testing apparatus not installed till November. † Testing apparatus not installed till October.



## SESSIONAL PAPER No. 13

## F.

Calorimetric Tests made during the Fiscal Year ended March 31, 1916.

not established till July 1, 1915.

Calorimetric Values—Standard 520 British Thermal Units.

Month.	Number of Tests.		Highest B.T.U.	Lowest B.T.U.	Average B.T.U.		Readings Below Standard.
	Prescribed.	Made.			Monthly.	Yearly.	
Nov., 1915*	2	2	619	580	600		0
Dec., 1915.	3	3	596	582	589		0
Jan., 1916.	2	2	576	564	570		0
Feb., 1916	2	2	607	595	601		0
Mar., 1916.	2	3	580	582	581	580	0
Oct., 1915†	4	4	536	496	520		0
Nov., 1915.	4	4	586	504	545		0
Dec., 1915.	5	5	547	513	530		0
Jan., 1916	4	4	533	523	528		0
Feb., 1916	4	4	548	480	514		0
Mar., 1916	5	5	540	521	532	528	0
July, 1915	8	8	593	530	561		0
Aug., 1915	8	8	602	536	569		0
Sept., 1915.	10	10	567	520	544		0
Oct., 1915	8	8	562	525	544		0
Nov., 1915	8	8	580	520	550		0
Dec., 1915	10	10	602	563	583		0
Jan., 1916	8	8	570	526	548		0
Feb., 1916	8	8	602	524	563		0
Mar., 1916	10	10	544	521	531	541	0
July, 1915	4	4	630	568	599		0
Aug., 1915	4	4	631	569	600		0
Sept., 1915	5	5	607	586	597		0
Oct., 1915	4	4	630	573	601		0
Nov., 1915	4	4	595	571	583		0
Dec., 1915	5	5	580	544	562		0
Jan., 1916	4	4	682	599	641		0
Feb., 1916	4	4	704	625	665		0
Mar., 1916	5	5	700	644	672	684	0
July, 1915	2	2	704	740	722		0
Aug., 1915	2	2	705	686	696		0
Sept., 1915	2	2	710	698	704		0
Oct., 1915	2	2	698	664	681		0
Nov., 1915	2	2	714	704	709		0
Dec., 1915	3	3	714	691	703		0
Jan., 1916	2	2	720	690	705		0
Feb., 1916	2	2	700	671	685		0
Mar., 1916	5	5	700	671	685	710	0
July, 1915	2	2	680	610	645		0
Aug., 1915	2	2	680	610	645		0
Sept., 1915	2	2	680	610	645		0
Oct., 1915	2	2	680	610	645		0
Nov., 1915	2	2	680	610	645		0
Dec., 1915	2	2	680	610	645		0
Jan., 1916	2	2	680	610	645		0
Feb., 1916	2	2	680	610	645		0
Mar., 1916	2	2	680	610	645		0



7 GEORGE V, A. 1917

RETURN of the Coal and Water Gas Companies registered and

NOTE:—Calorimetric Regulations

Company.			
Location.	Name.	Kind of Gas.	Number of Meters.
Cornwall, Ont.....	Stormont Electric Light and Power Co.....	Carburetted Water Gas	306
		"	
		"	
		"	
		"	
Deseronto, Ont....	Corporation of Deseronto.....	Carburetted Water Gas	134
		"	
		"	
		"	
		"	
Guelph, Ont. ....	Corporation of Guelph.....	C.W.G. and Coal Gas..	2925
		"	
		Coal Gas.	
		"	
		"	
Halifax, N.S.....	Halifax Electric Tramway Co.....	Coal Gas.	1457
		"	
		"	
		"	
		"	
Hamilton, Ont. ....	United Gas & Fuel Co.....	Coal Gas	552
		"	
		"	
		"	
		"	
Kingston, Ont .....	Corporation of Kingston. ....	Carburetted Water Gas	2723
		"	
		"	
		"	
		"	

† Testing apparatus not installed till August.



## SESSIONAL PAPER No. 13

## Calorimetric Tests made during the Fiscal Year ended March 31, 1916.

not established till July 1, 1915.

## Calorimetric Values—Standard 520 British Thermal Units.

Month.	Number of Tests.		Highest B.T.U.	Lowest B.T.U.	Average B.T.U.		Readings below Standard.
	Prescribed.	Made.			Monthly.	Yearly.	
Aug., 1915††	2	2	635	531	583		0
Sept., 1915.	2	2	624	597	611		0
Oct., 1915..	2	2	616	559	588		0
Nov., 1915..	2	2	555	540	548		0
Dec., 1915..	3	2	582	568	575		0
Jan., 1916..	2	2	565	555	560		0
Feb., 1916..	2	2	562	544	553		0
Mar., 1916..	2	2	637	602	620	580	0
Aug., 1915††	2	2	683	617	650		0
Sept., 1915..	2	3	690	574	637		0
Oct., 1915..	2	2	659	659	659		0
Nov., 1915..	2	2	655	595	625		0
Dec., 1915..	3	2	620	552	586		0
Jan., 1916..	2	2	654	620	637		0
Feb., 1916..	2	2	590	551	575		0
Mar., 1916..	2	3	614	570	601	621	0
July, 1915..	8	6	630	577	609		0
Aug., 1915..	8	10	632	564	598		0
Sept., 1915..	10	10	663	595	622		0
Oct., 1915..	8	8	661	612	636		0
Nov., 1915..	8	8	632	596	623		0
Dec., 1915..	10	10	658	576	610		0
Jan., 1916..	8	8	637	576	611		0
Feb., 1916..	8	8	626	586	606		0
Mar., 1916..	10	10	637	605	620	614	0
July, 1915..	4	4	578	574	576		0
Aug., 1915..	4	4	578	570	576		0
Sept., 1915..	5	5	597	574	583		0
Oct., 1915..	4	4	579	565	572		0
Nov., 1915..	4	4	585	566	578		0
Dec., 1915..	5	5	597	583	580		0
Jan., 1916..	4	4	600	564	588		0
Feb., 1916..	4	4	613	564	576		0
Mar., 1916..	5	4	578	550	564	578	0
July, 1915..	2	2	546	522	581		0
Aug., 1915..	2	2	538	525	532		0
Sept., 1915..	2	3	540	520	530		0
Oct., 1915..	2	2	528	525	547		0
Nov., 1915..	2	2	534	534	574		0
Dec., 1915..	3	2	525	520	533		0
Jan., 1916..	2	2	544	531	538		0
Feb., 1916..	2	2	546	530	538		0
Mar., 1916..	2	3	534	530	533	533	0
July, 1916..	8	8	650	604	637		0
Aug., 1916..	8	8	684	615	647		0
Sept., 1916..	10	10	706	606	647		0
Oct., 1916..	8	8	687	608	636		0
Nov., 1916..	8	8	620	606	604		0
Dec., 1916..	10	10	615	605	607		0
Jan., 1916..	8	8	642	587	610		0
Feb., 1916..	8	8	634	600	607		0
Mar., 1916..	10	10	611	607	599	601	0



7 GEORGE V, A. 1917

## RETURN of the Coal and Water Gas Companies registered and

**NOTE:—Calorimetric Regulations**

Company.			
Location.	Name.	Kind of Gas.	Number of Meters.
London, Ont.....	City Gas Co.....	C. W.G. and Coal Gas. " " " " " "	9269
Montreal, P.Q.....	Montreal Light Heat & Power Co.....	C.W.G. and Coal Gas.. " " " " " "	98264
Nanaimo, B.C.....	Nanaimo City Gas Co.....	Coal Gas " " " " " "	450
Napanee, Ont.....	Napanee Gas Co.....	Coal Gas " " " " " "	388
New Westminster, B.C.	New Wesminster Gas Co.....	Coal Gas " " " " " "	382
Oshawa, Ont.....	City Gas Co.....	Carburetted Water Gas " " " " " "	987



## SESSIONAL PAPER No. 13

## Calorimetric Tests made during the Fiscal Year ended March 31, 1916.

not established till July 1, 1915.

## Calorimetric Values—Standard 520 British Thermal Units.

Month.	Number of Tests.		Highest B.T.U.	Lowest B.T.U.	Average B.T.U.		Range Standard.
	Prescribed.	Made.			Monthly.	Yearly.	
July, 1915..	12	12	573	545	561		0
Aug., 1915..	12	12	594	542	568		0
Sept., 1915..	15	12	617	571	594		0
Oct., 1915..	12	15	619	557	560		0
Nov., 1915..	12	12	622	547	570		0
Dec., 1915..	15	12	631	543	572		0
Jan., 1916..	12	15	593	542	568		0
Feb., 1916..	12	12	607	500	578		0
Mar., 1916..	45	15	592	533	563	570	0
July, 1915..	26	26	543	522	532		0
Aug., 1915..	26	26	562	521	542		0
Sept., 1915..	25	25	540	521	530		0
Oct., 1915..	25	25	544	521	532		0
Nov., 1915..	26	26	551	522	537		0
Dec., 1915..	26	26	541	522	531		0
Jan., 1916..	25	25	533	520	527		0
Feb., 1916..	25	25	538	521	529		0
Mar., 1916..	26	27	562	522	542	534	0
July, 1915..	2	1	554	554	554		0
Aug., 1915..	2	2	571	547	559		0
Sept., 1915..	2	2	567	544	555		0
Oct., 1915..	2	2	591	532	547		0
Nov., 1915..	2	2	587	573	580		0
Dec., 1915..	3	2	591	579	585		0
Jan., 1916..	2	2	595	557	561		0
Feb., 1916..	2	2	579	573	576		0
Mar., 1916..	2	2	579	550	565	568	0
July, 1915..	2	2	593	543	568		0
Aug., 1915..	2	2	599	556	577		0
Sept., 1915..	2	3	629	543	583		0
Oct., 1915..	2	2	554	541	547		0
Nov., 1915..	2	2	592	516	554		0
Dec., 1915..	3	2	527	511	519		0
Jan., 1916..	2	2	579	501	540		0
Feb., 1916..	2	2	585	525	555		0
Mar., 1916..	2	3	545	512	528	517	0
July, 1915..	2	2	616	615	615		0
Aug., 1915..	2	2	615	591	603		0
Sept., 1915..	2	2	611	594	602		0
Oct., 1915..	2	2	615	599	607		0
Nov., 1915..	2	2	611	595	603		0
Dec., 1915..	2	2	614	595	604		0
Jan., 1916..	2	2	611	594	602		0
Feb., 1916..	2	2	608	598	603		0
Mar., 1916..	2	2	615	591	603	599	0
July, 1915..	2	2	599	553	576		0
Aug., 1915..	2	2	593	485	539		0
Sept., 1915..	2	2	597	581	589		0
Oct., 1915..	2	2	597	581	589		0
Nov., 1915..	2	2	588	575	581		0
Dec., 1915..	2	2	597	580	588		0
Jan., 1916..	2	2	595	544	569		0
Feb., 1916..	2	2	595	541	568		0
Mar., 1916..	2	2	594	540	567	564	0



7 GEORGE V, A. 1917

RETURN of the Coal and Water Gas Companies registered and

NOTE : Calorimetric Regulations

Company.			
Location.	Name.	Kind of Gas.	Number of Meters.
Ottawa, Ont.....	Ottawa Gas Co.....	Coal Gas	11349
		"	
		"	
		"	
		"	
		"	
*Owen Sound, Ont.....	Corporation of Owen Sound... ..	Coal Gas.	1024
		"	
		"	
		"	
		"	
		"	
Peterboro, Ont .....	Peterboro Light and Power Co .....	Carburetted Water Gas	1889
		"	
		"	
		"	
		"	
		"	
Port Hope, Ont.....	Port Hope Gas Co... ..	Coal Gas.	407
		"	
		"	
		"	
		"	
Quebec, P.Q.....	Quebec Railway Light, Heat and Power Co.	Carburetted Water Gas	4937
		"	
		"	
		"	
		"	
		"	
St. Catharines, Ont.....	Corporation of St. Catharines .....	Coal Gas.	483
		"	
		"	
		"	
		"	
		"	

\* Testing apparatus not installed till October.



## SESSIONAL PAPER No. 13

## Calorimetric Tests made during the Fiscal Year ended March 31, 1916.

not established till July 1, 1915.

## Calorimetric Values—Standard 520 British Thermals Units.

Month.	Number of Tests.		Highest B.T.U.	Lowest B.T.U.	Average B.T.U.		Readings below Standard.
	Prescribed.	Made.			Monthly.	Yearly.	
July, 1915..	26	26	545	521	531		0
Aug., 1915..	26	26	577	508	543		508-515
Sept., 1915..	25	27	561	531	551		0
Oct., 1915..	25	23	561	523	539		0
Nov., 1915..	25	23	578	522	548		0
Dec., 1915..	26	27	572	520	542		0
Jan., 1916..	25	23	564	514	534		514-517
Feb., 1916..	25	24	555	523	538		0
Mar., 1916	26	23	558	524	540	541	0
July, 1915..	4	2	661	635	648		0
Aug., 1915..	4	5	652	589	610		0
Sept., 1915..	5	5	610	598	600		0
Oct., 1915..	4	4	647	589	607		0
Nov., 1915..	4	4	603	551	578		0
Dec., 1915..	5	5	611	577	597		0
Jan., 1916	1	4	627	569	592		0
Feb., 1916	4	4	630	581	600		0
Mar., 1916..	5	5	605	567	587	603	0
July, 1915..	4	2	582	553	568		0
Aug., 1915..	4	4	621	560	591		0
Sept., 1915..	5	5	634	544	596		0
Oct., 1915..	4	4	572	546	554		0
Nov., 1915..	4	4	557	528	544		0
Dec., 1915..	5	5	600	522	561		0
Jan., 1916	4	4	560	531	549		0
Feb., 1916..	4	4	574	525	547		0
Mar., 1916	5	5	552	519	537	557	519
Oct., 1915*	2	1	628	628	628		0
Nov., 1915..	2	2	601	627	619		0
Dec., 1915..	3	2	608	589	614		0
Jan., 1916..	2	2	638	632	635		0
Feb., 1916	2	2	626	611	619		0
Mar., 1916..	2	3	656	634	646	625	0
July, 1915..	8	9	595	567	578		0
Aug., 1915	8	8	584	560	573		0
Sept., 1915	10	9	567	549	568		0
Oct., 1915	8	8	574	541	561		0
Nov., 1915..	8	9	570	560	568		0
Dec., 1915	10	9	587	550	571		0
Jan., 1916	8	8	598	542	570		0
Feb., 1916	8	8	587	536	572		0
Mar., 1916	10	10	596	567	581	579	0
July, 1915	2	2	561	530	560		0
Aug., 1915..	2	2	561	541	561		0
Sept., 1915	2	3	615	580	600		0
Oct., 1915	2	2	560	546	568		0
Nov., 1915	2	2	563	540	548		0
Dec., 1915	3	2	593	577	583		0
Jan., 1916	2	2	540	526	538		0
Feb., 1916	2	2	544	521	540		0
Mar., 1916	2	3	550	537	545	561	0



7 GEORGE V, A. 1917

RETURN of the Coal and Water Gas Companies registered and

NOTE :—Calorimetric Regulations

Company.			
Location.	Name.	Kind of Gas.	Number of Meters.
St. Hyacinthe, P.Q. . . .	La Cie. de Gaz, Electricité et Pouvoir . . . . .	Carburetted Water Gas	533
		"	
		"	
		"	
		"	
		"	
St. John, N.B . . . . .	St. John Railway Co. . . . .	Coal Gas.	1841
		"	
		"	
		"	
		"	
		"	
St. Thomas, Ont. . . . .	Corporation of St. Thomas . . . . .	Coal Gas.	3204
		"	
		"	
		"	
		"	
		"	
Sherbrooke, P.Q. . . . .	Corporation of Sherbrooke . . . . .	Carburetted Water Gas	780
		"	
		"	
		"	
		"	
		"	
Stratford, Ont. . . . .	Stratford Gas Co. . . . .	Coal Gas.	1353
		"	
		"	
		"	
		"	
		"	
Toronto, Ont . . . . .	Consumers Gas Co. . . . .	C.W.G. and Coal Gas.	101056
		"	
		"	
		"	
		"	
		"	



## SESSIONAL PAPER No. 13

## Calorimetric Tests made during the Fiscal Year ended March 31, 1916.

not established till July 1, 1915.

Calorimetric Values—Standard 520 British Thermal Units.							
Month.	Number of Tests.		Highest B.T.U.	Lowest B.T.U.	Average B.T.U.		How far from Standard.
	Prescribed.	Made.			Monthly.	Yearly.	
July, 1915..	2	2	574	529	552		0
Aug., 1915..	2	2	560	524	542		0
Sept., 1915..	2	2	573	511	542		511
Oct., 1915..	2	2	563	520	541		0
Nov., 1915..	2	2	532	510	521		510
Dec., 1915..	3	2	529	518	524		518
Jan., 1916..	2	2	495	492	494		492-490
Feb., 1916..	2	2	531	527	529		0
Mar., 1916..	2	2	550	536	543	532	0
July, 1915..	4	4	640	592	621		0
Aug., 1915..	4	4	660	576	620		0
Sept., 1915..	5	4	590	575	580		0
Oct., 1915..	4	4	600	564	584		0
Nov., 1915..	4	4	597	557	572		0
Dec., 1915..	5	4	601	578	592		0
Jan., 1916..	4	4	576	562	569		0
Feb., 1916..	4	4	581	550	566		0
Mar., 1916..	5	4	606	585	596	589	0
July, 1915..	8	7	684	600	613		0
Aug., 1915..	8	8	674	616	646		0
Sept., 1915..	10	8	700	631	662		0
Oct., 1915..	8	10	653	613	634		0
Nov., 1915..	8	8	642	600	620		0
Dec., 1915..	10	8	625	578	607		0
Jan., 1916..	8	10	610	598	604		0
Feb., 1916..	8	8	604	573	588		0
Mar., 1916..	10	10	610	573	592	612	0
July, 1915..	2	2	686	602	675		0
Aug., 1915..	2	2	682	608	645		0
Sept., 1915..	2	2	677	602	640		0
Oct., 1915..	2	2	665	618	642		0
Nov., 1915..	2	2	668	618	643		0
Dec., 1915..	3	4	689	606	648		0
Jan., 1916..	2	2	700	605	653		0
Feb., 1916..	2	2	616	524	570		0
Mar., 1916..	2	2	619	597	608	620	0
July, 1915..	4	4	611	560	585		0
Aug., 1915..	4	4	610	560	585		0
Sept., 1915..	5	4	605	564	585		0
Oct., 1915..	4	5	602	565	584		0
Nov., 1915..	4	4	600	570	585		0
Dec., 1915..	5	4	645	575	610		0
Jan., 1916..	4	5	630	597	613		0
Feb., 1916..	4	4	604	560	582		0
Mar., 1916..	5	5	600	595	597	615	0
July, 1915..	20	20	704	594	649		0
Aug., 1915..	20	20	700	589	645		0
Sept., 1915..	20	20	700	548	624		0
Oct., 1915..	20	20	691	550	621		0
Nov., 1915..	20	20	684	574	629		0
Dec., 1915..	26	26	700	597	649		0
Jan., 1916..	20	24	694	590	642		0
Feb., 1916..	26	24	692	585	639		0
Mar., 1916..	26	24	670	600	635	618	0



7 GEORGE V, A. 1917

## RETURN of the Coal and Water Gas Companies registered and

### NOTE: Calorimetric Regulations

[illegible]



## SESSIONAL PAPER No. 13

## Calorimetric Tests made during the Fiscal Year ended March 31, 1916.

not established till July 1, 1915.

Calorimetric Values—Standard 520 British Thermal Units.

Month.	Number of Tests.		Highest B.T.U.	Lowest B.T.U.	Average B.T.U.		Readings below Standard.
	Prescribed.	Made.			Monthly.	Yearly.	
July, 1915..	26	24	556	507	535		507
Aug., 1915..	25	24	575	520	541		0
Sept., 1915..	25	23	560	512	540		512
Oct., 1915..	25	23	583	503	555		0
Nov., 1915..	26	24	603	534	566		0
Dec., 1915..	26	28	587	527	559		0
Jan., 1916..	26	24	590	520	548		0
Feb., 1916..	25	24	567	490	540		483-512
Mar., 1916..	26	30	579	504	542	545	504
July, 1915..	8	9	558	523	535		0
Aug., 1915..	8	8	568	520	546		0
Sept., 1915..	10	9	549	524	537		0
Oct., 1915..	8	8	563	530	547		0
Nov., 1915..	8	8	561	530	544		0
Dec., 1915..	10	9	552	520	545		0
Jan., 1916..	8	8	548	526	536		0
Feb., 1916..	8	9	564	525	544		0
Mar., 1916..	10	8	551	520	530	541	0
July, 1915..	2	2	570	568	569		0
Aug., 1915..	2	2	572	570	571		0
Sept., 1915..	2	3	539	525	534		0
Oct., 1915..	2	2	560	556	560		0
Nov., 1915..	2	2	573	562	568		0
Dec., 1915..	3	2	601	561	576		0
Jan., 1916..	2	2	564	537	551		0
Feb., 1916..	2	2	571	566	564		0
Mar., 1916..	2	3	568	562	567	558	0
July, 1915..	26	26	588	527	560		0
Aug., 1915..	26	25	581	522	554		0
Sept., 1915..	25	27	591	537	560		0
Oct., 1915..	25	22	612	526	579		0
Nov., 1915..	26	24	596	541	566		0
Dec., 1915..	26	23	596	541	564		0
Jan., 1916..	25	26	595	529	563		0
Feb., 1916..	26	26	597	521	560		0
Mar., 1916..	26	26	578	528	553	557	0
July, 1915..	2	2	645	620	642		0
Aug., 1915..	2	2	618	586	607		0
Sept., 1915..	2	2	621	612	617		0
Oct., 1915..	2	2	623	628	631		0
Nov., 1915..	2	2	579	566	569		0
Dec., 1915..	2	2	670	583	616		0
Jan., 1916..	2	2	591	591	591		0
Feb., 1916..	2	2	586	561	578		0
Mar., 1916..	2	2	591	564	578	600	0



7 GEORGE V, A. 1917

RETURN of the Natural Gas Companies Registered during the Fiscal Year ended March 31, 1916.

Location.	Name.	Number of Meters.
Brantford, Ont.....	Brantford Gas Co.....	4662
Bridgeland, Ont.....	Provincial Natural Gas and Fuel Co.....	596
Cainsville, Ont.....	Standard Natural Gas Co.....	100
Caledonia, Ont.....	Port Colborne-Welland Natural Gas and Oil Co.....	451
Calgary, Alta.....	Calgary Gas Co.....	6646
Castor, Alta.....	Corporation of Castor.....	40
Chatham, Ont.....	Chatham Gas Co.....	2939
Delhi, Ont.....	Enterprise Gas Co.....	234
Dundas, Ont.....	Dominion Natural Gas Co.....	1000
Dunnville, Ont.....	Dominion Natural Gas Co.....	1775
Ford, Ont.....	Windsor Gas Co.....	275
Fort Erie, Ont.....	Provincial Natural Gas & Fuel Co.....	440
Fort Erie, Ont.....	Lake Shore Natural Gas Co.....	235
Galt, Ont.....	Dominion Natural Gas Co.....	1827
Haldimand County, Ont.....	Midfield Natural Gas Co.....	37
Hamilton, Ont.....	Manufacturers Natural Gas Co.....	149
Hamilton, Ont.....	United Gas and Fuel Co.....	15189
Ingersoll, Ont.....	Ingersoll Gas Light Co.....	868
Medicine Hat, Alta.....	Corporation of Medicine Hat.....	2560
Moncton, N.B.....	Moncton Tramways Electricity & Gas Co.....	2106
Niagara Falls, Ont.....	Provincial Natural Gas & Fuel Co.....	3235
Paris, Ont.....	Dominion Natural Gas Co.....	775
Port Colborne, Ont.....	Sterling Gas Co.....	934
Port Colborne, Ont.....	Welland County Line Works Co.....	81
Port Dover, Ont.....	Norfolk Gas Co.....	396
Port Rowan, Ont.....	Port Rowan Natural Gas Co.....	189
Redcliff, Alta.....	Redcliff Light and Power Co.....	366
Ridgeway, Ont.....	Bertie Natural Gas Co.....	189
St. Catharines, Ont.....	United Gas Companies.....	2470
St. Williams, Ont.....	Port Rowan Natural Gas Co.....	100
Sandwich, Ont.....	Windsor Gas Co.....	280
Sandwich East, Ont.....	Windsor Gas Co.....	20
Sandwich West, Ont.....	Windsor Gas Co.....	100
Sarnia, Ont.....	Sarnia Gas & Electric Light Co.....	2946
Simcoe, Ont.....	Dominion Natural Gas Co.....	2100
Suffield, Alta.....	Southern Alberta Gas Co.....	52
Southern Alberta.....	Canadian Western Natural Gas, Light, Heat and Power Co..	1119
Thorold, Ont.....	United Gas Companies.....	800
Walkerville, Ont.....	Windsor Gas Co.....	855
Welland, Ont.....	Industrial Natural Gas Co.....	101
Welland, Ont.....	Provincial Natural Gas & Fuel Co.....	2115
Windsor, Ont.....	Windsor Gas Co.....	4970
Woodstock, Ont.....	Woodstock Gas Light Co.....	1668

ORMOND HIGMAN,

J. U. VINCENT,

Chief Engineer, Gas and Electricity  
Inspection, Inland Revenue Dept.

Deputy Minister.

July 1, 1916.



SESSIONAL PAPER No. 13

## APPENDIX G.

STATEMENT showing the number of Gas Meters Presented for Verification, Verified, Rejected and Verified after first Rejection, for the Fiscal Year ended March 31, 1916.

Districts.	Presented for Verification.	Kind.		Verified as coming within the error tolerated by law.			Rejected.			Verified after first Rejection.			Totals.	
		Wet.	Dry.	Correct.	Fast.	Slow.	Unsound.	Fast.	Slow.	Correct.	Fast.	Slow.	Verified.	Rejected.
Belleville .....	1,254	1,254	302	212	702	20	18						1,216	38
Hamilton .....	9,231	9,231	5,116	729	3,392								9,231	
London .....	10,054	10,054	2,407	1,515	6,105	16	11						10,027	27
Ottawa .....	3,019	3,019	652	279	2,087		1						3,018	1
Toronto .....	16,292	16,292	5,469	1,378	9,344	55	46						16,191	101
Montreal .....	10,913	10,913	2,292	3,421	5,065	23	81	31					10,178	106
Quebec .....	804	804	496	31	277								804	
Sherbrooke .....	207	207	93	54	60								207	
St. Hyacinthe .....	79	79	19	14	43	1	2						76	3
St. John .....	626	626	334	21	271								626	
Halifax .....	574	574	238	62	274								574	
Charlottetown .....	24	24	4	9	6	2	3						19	5
Winnipeg .....	2,958	2,958	1,605	862	481	7	1			1	1		2,948	10
Calgary .....	1,588	1,588	185	91	1,282	30							1,558	30
Vancouver .....	1,592	1,592	460	485	601	1	7	8					1,576	16
Victoria .....	388	388	113	134	141								388	
Totals .....	59,603	59,603	19,779	9,297	30,161	24	119	121		1	1		59,237	366



APPENDIX H.

STATEMENT of Electric Light Expenditures and Revenues for the Fiscal Year ended March 31, 1916.

Districts.	Inspectors.	Expenditures.						Revenues.
		Salaries.	Special Assistance.	Rent	Travelling Expenses.	Sundries.	Total.	
		\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Belleville.....	Fraser, H.....	1,930 45	36 00	.....	365 40	14 88	2,346 73	2,186 35
Fort William..	Little, E.....	1,399 92	20 00	.....	183 35	77 42	1,680 69	518 35
Hamilton.....	Lutz, H.....	.....	.....	.....	539 80	.....	539 80	5,476 95
London..	Nash, A. F. ....	.....	75 00	.....	553 85	125 70	754 55	6,715 35
Ottawa.....	Morrison, A. C ..	.....	.....	.....	554 90	.....	554 90	4,771 95
Sudbury .....	Code, A. G.....	386 09	.....	.....	307 80	40 80	734 69	565 95
Toronto .....	Stiver, J. L.....	.....	.....	.....	845 75	51 89	897 64	12,448 30
Special.....	Kinsman, E. A ...	1,425 00	.....	.....	.....	.....	1,425 00	.....
	Ontario.....	5,141 46	131 00	.....	3,350 85	310 69	8,934 00	32,683 20
Montreal.....	Aubin, A. ....	.....	1,766 02	.....	148 95	35 75	1,950 72	11,219 20
Quebec.....	Cantin, J. A., Actg.	.....	2,276 63	600 00	214 80	265 56	3,356 99	1,907 65
Sherbrooke....	Simpson, A. F....	.....	.....	.....	175 61	8 50	184 11	832 50
St. Hyacinthe..	Aubin, A. Actg...	550 00	.....	.....	276 05	3 00	829 05	900 60
Three Rivers..	Olivier, A.....	499 92	.....	195 00	173 95	15 80	884 67	956 00
	Quebec. ....	1,049 92	4,042 65	795 00	989 36	328 61	7,205 54	15,815 95
St. John, N.B..	Wilson, J. E.....	.....	12 00	.....	265 12	26 49	303 61	1,582 65
Halifax, N.S..	Toale, John... ..	.....	60 00	.....	1,033 50	271 77	1,365 27	2,224 60
Charlottetown, P.E.I.....	Bell, J. H.....	.....	60 00	.....	41 95	22 82	124 77	165 30
Winnipeg, Man	Hamilton, R.....	.....	.....	600 00	201 70	775 96	1,577 66	3,952 70
Regina, Sask..	Hunter, W. M....	2,499 96	.....	.....	1,680 00	182 75	4,362 71	2,304 70
Calgary.....	Kyle, W. P.....	2,200 00	21 00	.....	361 45	98 64	2,681 09	2,129 70
Edmonton.....	Cantin, A. J.....	1,299 96	.....	.....	313 65	105 80	1,719 41	890 40
	Alberta.....	3,499 96	21 00	.....	675 10	204 44	4,400 50	3,020 10
Vancouver.....	Stott, John .....	6,599 76	900 00	.....	309 53	256 09	8,065 38	6,948 95
Victoria.....	Dresser, F.....	.....	48 00	.....	123 50	84 08	255 58	1,353 60
	British Columbia	6,599 76	948 00	.....	433 03	340 17	8,320 96	8,302 55
Yukon.....	Stingle, J. W.....	499 92	.....	.....	.....	.....	499 92	.....
Chief Electrical Engineer.....		.....	.....	.....	4 00	372 02	376 02	.....
Inspector of Eastern Division.....		.....	.....	.....	82 55	5 00	87 55	.....
" Western "		2,599 92	833 30	.....	41 25	461 50	3,935 97	.....
Total for Inspectors.....		21,890 90	6,107 95	1,395 00	8,798 41	3,302 22	41,494 48	70,051 75



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APPENDIX H.—Concluded.

STATEMENT of Electric Light Expenditures and Revenues for the Fiscal Year ended March 31, 1916—Concluded.

	Expenditures.						Revenues.
	Salaries.	Special Assistance.	Rent.	Travelling Expenses.	Sundries.	Total.	
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
General Contingencies . . . . .					13,512 29	13,512 29	
Printing . . . . .					98 75	98 75	
Stationery . . . . .					141 40	141 40	
International Electro-Technical Commission . . . . .					400 00	400 00	
Provisional allowance . . . . .					2,152 39	2,152 39	
Export of Electric Power . . . . .					44 10	44 10	400 00
Electric Laboratory . . . . .							110 50
Grand totals . . . . .	21,890 90	6,107 95	1,395 00	8,798 41	19,651 11	57,843 37	70,962 20

INLAND REVENUE DEPARTMENT,  
OTTAWA, July 1, 1916.

J. U. VINCENT,  
Deputy Minister.

APPENDIX I.

STATEMENT showing the number of Electric Motors Presented for Verification, Verified, Rejected and Verified after first Rejection, for the fiscal year ended March 31, 1916.

Districts.	Presented for Verification.	Verified as coming within the error tolerated by law.			Rejected.			Verified after first Rejection.			Totals.	
		Correct.	Fault.	Slow.	Unsound.	Fault.	Slow.	Correct.	Fault.	Slow.	Verified.	Rejected.
Bellville . . . . .	3,403	325	1,798	1,000		1					2,402	4
Fort William . . . . .	819	16	701	167		1	1				818	6
Hamilton . . . . .	8,961	6,644	487	1,770							8,961	
London . . . . .	10,650	3,305	3,306	3,306		1	1				10,651	5
Ottawa . . . . .	7,732	1,057	3,763	2,920		6	2				7,740	4
Sudbury . . . . .	914	248	289	381			8				914	8
Toronto . . . . .	19,694	11,056	1,300	2,713		5	10				19,699	15
Montreal . . . . .	18,465	11,084	1,169	3,212							18,465	
Quebec . . . . .	3,136	2,001	492	643							3,136	
Sherbrooke . . . . .	1,354	305	440	675			4				1,356	4
St. Hyacinthe . . . . .	1,481	626	493	445		1	2				1,478	3
Three Rivers . . . . .	1,673	1,477	60	59			6				1,673	6
St. John . . . . .	2,006	1,463	701	790		6	2				2,008	8
Halifax . . . . .	3,064	2,319	779	591		94	30				3,012	60
Charlottetown . . . . .	270	110	60	97		1	3				266	4
Winnipeg . . . . .	6,480	1,700	1,915	441		1	1				6,478	2
Regina . . . . .	3,613	408	2,686	790		5	45				3,772	46
Calgary . . . . .	3,478	1,704	1,016	207		6	18				3,454	24
Edmonton . . . . .	1,449	512	826	66		7	8				1,434	15
Vancouver . . . . .	11,007	4,004	6,000	1,417		13	11				11,011	24
Victoria . . . . .	2,100	673	900	528		1					2,100	1
Totals . . . . .	112,462	62,652	37,540	31,966		91	100				112,600	212

INLAND REVENUE DEPARTMENT,  
OTTAWA, July 1, 1916.

J. U. VINCENT,  
Deputy Minister.



APPENDIX J.

STATEMENT showing amount of Electrical Energy, Gas or Fluid generated or produced for export and for consumption in Canada, under the authority of the Electricity and Fluid Exportation Act, for the year ending March 31st, 1916.

Name of Contractor and Place of Business.	Month.	Units Produced for export.		Units Produced for use in Canada.		Total Output of Generating Station or other Source.	
		K. W. Hours.	H. P. Years.	K. W. Hours.	H. P. Years.	K. W. Hours.	H. P. Years.
Canadian Niagara Power Company, Niagara Falls, Ont.	April .....	30,071,552	4,601·64	709,448	108·56	30,781,000	4,710·20
	May.....	31,427,736	4,809·17	649,264	99·35	32,077,000	4,908·52
	June.....	29,807,321	4,561·21	717,679	109·82	30,525,000	4,671·03
	July.....	31,294,785	4,788·84	842,215	128·86	32,137,000	4,917·70
	August.....	32,350,500	4,950·38	919,500	140·70	33,270,000	5,091·08
	September..	34,805,076	5,325·98	772,924	118·28	35,578,000	5,444·26
	October .....	36,536,514	5,590·93	797,486	122·03	37,334,000	5,712·96
	November..	35,721,276	5,466·19	951,724	145·63	36,673,000	5,611·82
	December ..	35,516,986	5,434·92	1,263,014	193·27	36,780,000	5,628·19
	January....	35,846,332	5,485·32	1,224,668	187·40	37,071,000	5,672·72
	February...	33,552,908	5,134·37	1,197,092	183·18	34,750,000	5,317·55
	March.....	33,590,104	5,140·06	1,133,896	173·51	34,724,000	5,313·57
	Totals..	400,521,090	61,289·01	11,178,910	1,710·59	411,700,000	62,999·60
Electrical Development Company, Niagara Falls, Ont. Leased by Toronto Power Company.	April .....			25,681,650	3,929·89	25,681,650	3,929·89
	May.....			24,972,650	3,821·39	24,972,650	3,821·39
	June.....			24,545,000	3,755·95	24,545,000	3,755·95
	July.....			23,985,700	3,670·37	23,985,700	3,670·37
	August.....			23,981,800	4,669·77	23,981,800	3,669·77
	September..			24,154,600	3,696·12	24,154,900	3,696·12
	October .....	2,030,000	310·64	25,329,600	3,876·01	27,389,600	4,186·65
	November..	5,816,000	889·88	57,253,300	8,761·08	63,069,300	9,651·06
	December ..	6,808,000	1,041·78	41,420,000	6,353·52	48,328,000	7,395·30
	January....	6,479,000	991·44	41,930,900	6,416·40	48,409,900	7,407·84
	February...	6,617,000	1,012·55	39,674,000	6,071·04	46,291,000	7,083·59
	March.....	6,902,000	1,056·17	42,317,000	6,475·48	49,219,000	7,531·65
	Totals..	34,652,000	5,302·56	395,346,500	60,497·02	429,998,500	65,799·58
Ontario Power Company, Niagara Falls, Ontario.	April.....	12,734,320	1,948·49	39,035,580	5,973·35	51,768,900	7,921·84
	May.....	14,768,300	2,259·89	45,004,700	6,886·76	59,773,000	9,146·65
	June.....	16,317,940	2,497·02	43,372,760	6,637·94	59,690,700	9,134·06
	July.....	17,316,400	2,649·81	46,641,300	7,137·20	63,957,700	9,787·01
	August. ...	20,453,900	3,129·92	47,441,000	7,259·57	67,894,900	10,389·49
	September..	22,506,260	3,443·98	50,271,740	7,692·74	72,778,000	11,136·72
	October .....	18,557,660	2,829·74	54,983,040	8,413·66	73,540,700	11,253·40
	November..	17,801,980	2,724·12	52,696,020	8,063·71	70,498,000	10,787·83
	December ..	17,645,700	2,700·20	59,517,400	9,107·54	77,163,100	11,807·74
	January....	12,117,160	1,854·21	58,608,640	8,968·47	70,725,800	10,822·68
	February...	13,318,640	2,038·06	57,314,860	8,770·50	70,633,500	10,808·56
	March.....	15,597,900	2,386·84	61,947,400	9,479·39	77,545,300	11,866·23
	Totals..	199,135,160	30,472·28	616,834,440	94,389·93	815,969,600	124,862·21



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## APPENDIX J.—Continued

STATEMENT showing amount of Electrical Energy, Gas or Fluid generated, etc.—Continued.

Name of Contractor and Place of Business.	Month.	Units Produced for Export.		Units Produced for use in Canada.		Total Output of Generating Station or Other Source.	
		K. W. Hours.	H. P. Years.	K. W. Hours.	H. P. Years.	K. W. Hours.	H. P. Years.
Ontario and Minnesota Power Co., Fort Frances, Ont.	April.....	883,370	135·17	822,720	125·90	1,706,090	261·07
	May.....	928,930	142·15	748,600	114·54	1,677,530	256·71
	June.....	701,970	107·41	875,130	133·92	1,577,100	241·33
	July.....	1,003,460	153·55	948,030	145·07	1,951,490	298·62
	August..	1,300,410	200·37	948,340	145·12	2,248,750	345·49
	September..	1,140,120	174·46	881,802	134·95	2,021,922	309·41
	October...	1,029,370	157·52	938,818	143·06	1,968,188	301·18
	November..	1,004,120	153·65	976,944	146·43	1,981,064	300·08
	December...	1,286,080	196·80	1,105,640	169·19	2,391,720	365·99
	January...	1,328,340	203·27	1,221,880	186·97	2,550,220	390·24
	February..	1,241,910	190·04	1,144,580	175·15	2,386,490	365·19
	March...	1,287,010	196·94	1,196,910	183·16	2,483,920	380·10
	Totals..	13,144,070	2,011·31	11,789,534	1,804·08	24,933,604	3,815·41
Cedar Rapids Power Co., Montreal, Quebec.	April.....	21,381,000	3,271·79	1,287,000	196·94	22,668,000	3,468·73
	May.....	27,052,000	4,130·58	Nil.	Nil.	27,052,000	4,130·58
	June.....	27,177,000	4,158·71	178,000	27·24	27,355,000	4,185·95
	July.....	28,880,000	4,419·31	Nil.	Nil.	28,880,000	4,419·31
	August.....	28,223,000	4,318·77	4,100,000	625·31	32,323,000	4,944·08
	September..	31,972,000	5,192·38	6,285,000	961·75	38,257,000	5,854·13
	October....	36,019,000	5,511·74	7,341,000	1,111·00	43,360,000	6,622·74
	November...	35,044,000	5,457·42	7,008,000	1,068·08	42,052,000	6,525·50
	December...	35,982,000	5,506·10	10,004,000	1,500·60	45,986,000	7,006·70
	January.....	27,259,000	4,171·26	7,075,000	1,081·31	34,334,000	5,252·57
	February...	27,210,000	4,162·30	4,915,000	736·70	32,125,000	4,899·00
	March....	29,983,000	4,583·00	8,344,000	1,251·22	38,327,000	5,834·22
	Totals..	300,763,000	54,807·01	50,001,000	7,574·10	350,764,000	62,381·11
Shelburne Railway & Power Co., Shelburne, Que.	April.....	18,000	2·85	600,000	904·79	700,000	106·70
	May.....	18,000	2·85	700,000	1064·00	700,000	1064·00
	June.....	18,200	2·85	600,000	904·40	700,000	1064·00
	July.....	18,700	2·85	600,000	904·87	700,000	1064·00
	August.....	18,000	2·84	700,000	1064·00	700,000	1064·00
	September..	15,700	2·40	700,000	1064·00	700,000	1064·00
	October....	19,000	2·91	700,000	1064·91	700,000	1064·91
	November...	19,200	2·91	700,000	1064·21	700,000	1064·21
	December...	20,400	3·13	700,000	1064·71	700,000	1064·71
	January....	21,400	3·27	700,000	1064·80	700,000	1064·80
	February...	21,700	3·32	700,000	1064·90	700,000	1064·90
	March....	21,000	3·30	700,000	1064·00	700,000	1064·00
	Totals..	200,000	30·00	8,000,000	12,000·00	8,200,000	12,300·00



APPENDIX J.---Continued.

STATEMENT showing amount of Electrical Energy, Gas, or Fluid generated, etc.—Continued.

Name of Contractor and Place of Business.	Month.	Units Produced for Export.		Units Produced for use in Canada.		Total Output of Generating Station or Other Source.	
		K. W. Hours.	H. P. Years.	K. W. Hours.	H. P. Years.	K. W. Hours.	H. P. Years.
Maine and New Brunswick Power Co., Aroostook Falls, N. B.	April.....	239,411	36·64	18,889	2·89	258,300	39·53
	May.....	229,502	35·12	16,998	2·60	246,500	37·72
	June.. ..	224,020	34·28	17,680	2·71	241,700	36·99
	July. ....	224,077	34·29	19,023	2·91	243,100	37·20
	August.....	200,662	30·71	18,238	2·79	218,900	33·50
	September..	256,324	39·22	20,203	3·09	276,527	42·31
	October ...	284,952	43·00	19,548	2·99	304,500	46·59
	November..	273,281	41·82	22,519	3·44	295,800	45·26
	December ..	290,607	44·47	22,293	3·41	312,900	47·88
	January..	298,950	45·75	22,350	3·42	321,300	49·17
	February...	269,499	41·24	21,501	3·29	291,000	44·53
	March.....	284,608	43·55	23,195	3·55	307,803	47·10
	Totals....	3,075,893	470·69	242,437	37·0	3,318,330	507·78
Western Canada Power Co., Vancouver, B. C.	April. . . .	995,400	152·32	4,926,210	753·82	5,921,610	906·14
	May.. . . .	1,493,960	228·60	5,378,830	823·09	6,872,730	1,051·69
	June.. . . .	602,100	92·14	5,006,330	766·08	5,608,430	858·22
	July.. . . .	418,000	63·96	5,238,770	801·65	5,656,770	865·61
	August.....	815,100	124·73	5,055,740	773·64	5,870,840	898·37
	September..	1,559,100	238·57	5,124,360	784·15	6,683,460	1,022·72
	October ..	1,852,400	283·46	5,199,850	795·70	7,052,250	1,079·16
	November..	1,304,600	199·63	4,901,520	750·05	6,266,120	949·68
	December ..	987,300	151·08	5,056,510	773·76	6,043,810	924·84
	January....	1,329,100	203·38	5,035,210	770·50	6,364,310	973·88
	February..	303,600	46·46	4,584,290	701·50	4,887,890	747·96
	March.....	277,100	42·40	4,960,400	759·06	5,237,500	801·46
	Totals....	11,937,700	1,826·73	63,468,020	9,253·00	72,405,720	11,079·73
British Columbia Electric Railway Co., Vancouver, B. C.	April.....	23,290	3·56	5,064,910	775·05	5,088,200	778·61
	May.. . . .	20,960	3·21	4,929,340	754·30	4,950,300	757·51
	June.....	20,394	3·12	4,711,106	720·91	4,731,500	724·03
	July.....	22,477	3·44	4,785,820	732·34	4,808,300	735·78
	August.....	30,944	4·74	5,270,456	806·50	5,301,400	811·24
	September..	29,635	4·53	5,329,780	815·59	5,359,415	820·12
	October ...	33,994	5·20	5,992,006	917·68	6,031,000	922·88
	November..	34,025	5·21	6,433,870	984·50	6,467,900	989·74
	December ..	35,000	5·35	6,916,200	1,058·34	6,951,200	1,063·69
	January....	30,457	4·66	6,479,243	991·47	6,509,700	996·13
	February...	25,195	3·86	6,101,905	933·73	6,127,100	937·59
	March.....	24,255	3·71	6,451,045	987·16	6,475,300	990·87
	Totals ...	330,626	50·59	68,470,689	10,477·60	68,801,315	10,528·19



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APPENDIX J—*Concluded.*

## RECAPITULATION.

Name of Contractor and Place of Business.	Units Produced for Export.		Units Produced for use in Canada.		Total Output of Generating Station or other Source.	
	K.W. Hours.	H.P. Years.	K.W. Hours.	H.P. Years.	K.W. Hours.	H.P. Years.
Canadian Niagara Power Co....	400,521,090	61,289.01	11,178,910	1,710.59	411,700,000	62,999.60
Electrical Development Co....	34,652,000	5,302.56	395,316,000	60,497.02	429,968,000	65,700.58
Ontario Power Co....	190,135,160	30,472.28	616,834,440	94,389.93	815,969,600	124,862.21
*International Railway Co....						
Ontario and Minnesota Power Co.	13,144,070	2,011.33	11,789,534	1,804.08	24,933,604	3,815.41
Cedar Rapids Power Co.....	358,753,000	54,897.51	56,031,000	8,574.03	414,784,000	63,471.54
Sherbrooke Railway and Power Co.....	239,820	35.33	8,005,200	1,316.79	8,245,020	1,252.12
Maine and New Brunswick Power Co.....	3,075,893	470.69	242,437	37.09	3,318,330	507.78
Western Canada Power Co....	11,937,700	1,826.73	60,468,070	9,253.00	72,405,770	11,079.73
British Columbia Electric Rail- way Company.....	330,620	50.74	68,470,680	10,477.60	68,801,300	10,528.34
Totals.....	1,021,780,359	156,356.03	1,228,966,730	188,000.10	2,250,747,089	344,416.13

\* This Company's load is used for Electric Railway supply, chiefly on Canadian side of boundary.

J. U. VINCENT,  
*Deputy Minister.*

ELECTRICAL BRANCH,  
INLAND REVENUE DEPARTMENT,

ORMOND HIGMAN,  
*Chief Engineer.*

OTTAWA, July 1, 1916.



APPENDIX K.

List of Electric Light and Power Companies Registered under the Provisions of the Electricity Inspection Act, during the Fiscal Year ended March 31, 1916.

District.	Company.	Address.	PRIME MOVER.		Phases of System.	Frequency of System.	Generator Voltage.	SERVICE VOLTAGES.		NUMBER OF METERS.	
			Type.	Horse Power.				Power.	Lighting.	Power.	Lighting.
Belleville, Ont.	Brockville Light Commissioners.	Brockville	Steam	1,000	3	60	2,200	550	110	28	1,030
	Benjamin Wheel Company.	Yarker	Water	40			125		125		
	Board of Water, Light and Power Comm.	Fenelon Falls	Water	600	3	60	550	550	110		
	Campbellford Water and Light Comm.	Campbellford	Water	3,450	3	60	2,400	2,200	110		1
	Cardinal Electric Company Limited.	Cardinal		165	3	60	240	240	110		50
	Central Ontario Power Company.	Millbrook	Purchased		3	60		220	110	2	98
	Cobourg Water and Electric Company.	Cobourg	Purchased		3	60		220	110	25	531
	Electric Light Commission.	Bobcaygeon	Water	200	3	60	2,200		110		
	Frankford Electric Light Company.	Frankford	Water	150	2	60	2,000		110		79
	Fair & Mullet.	Bancroft	Steam	75			125	125	125		
	Fowlds Company Limited.	Hastings	Water	100	2	60	2,200		110		6
	J. H. Goodrich.	Warkworth	Water	80	2	60	2,200	110	110		
	Gananoque Electric Light Company.	Gananoque	Water	500		DC.	250	250	115	26	407
	W. C. Harrison.	Norwood	Steam	75	1	133	1,000		110		
	Havelock Electric Light Company.	Havelock	Water	135	3	60	4,400		110		
	Kemptville Milling Company Limited.	Kemptville		300	3	60	10,000	220	110		
	Light, Heat and Power Company.	Lindsay	Water	1,500	3	60	550	220	110	3	1,125
	Light and Water Commission.	Pictou	Steam	300	2	60	2,200	220	110	5	594
	Light, Heat and Power Department.	Kingston	Steam	1,800	3	60	2,300	220	110	102	1,846
	Lakefield Electric Light Company.	Lakefield	Water	125	3	60	2,200	550	110	1	



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Marquette Electric Light Plant	Marquette	Water ..	100	1	60	1,000	.....	110	.....	1
Municipality of Marquette Village	Marquette Village	Purchased	.....	.....	DC.	500	.....	250	.....	3
W. E. Nelson, Limited	Wellington	Gas	.....	.....	.....	6,600	2,200	110	.....	8
Oriskany Power Company	Port Hope	Water	900	3	60	.....	.....	.....	.....	.....
Oriskany	Port Hope	Purchased	.....	3	60	.....	550	110	.....	1,140
Oriskany Electric Light Co.	Port Hope	Purchased	.....	3	60	.....	.....	110	.....	138
Oriskany Electric Light Co.	Port Hope	Water	220	3	60	2,200	550	110	.....	665
Oriskany Electric Light Co.	Port Hope	Purchased	.....	3	60	.....	550	110	.....	2,600
Oriskany Electric Light Co.	Port Hope	Purchased	.....	3	60	.....	220	110	.....	400
Oriskany Electric Light Co.	Port Hope	H.E.P.	.....	3	60	.....	.....	220	.....	1
Oriskany Electric Light Co.	Port Hope	Water	90	3	DC.	350	220	220	.....	111
Oriskany Electric Light Co.	Port Hope	Trans. Line	.....	3	60	.....	220	110	.....	.....
Oriskany Electric Light Co.	Port Hope	Purchased	240	1	60	.....	240	120	.....	1
Oriskany Electric Light Co.	Port Hope	Trans. Line	.....	3	60	.....	220	.....	.....	.....
Oriskany Electric Light Co.	Port Hope	Trans. Line	300	3	60	2,300	550	110	.....	600
Oriskany Electric Light Co.	Port Hope	Trans. Line	.....	3	60	.....	550	110	.....	620
Oriskany Electric Light Co.	Port Hope	Trans. Line	.....	3	60	.....	220	110	.....	134
Oriskany Electric Light Co.	Port Hope	Trans. Line	.....	3	60	.....	220	110	.....	600
Oriskany Electric Light Co.	Port Hope	Trans. Line	5,600	3	60	6,600	220	110	.....	1,405
Oriskany Electric Light Co.	Port Hope	Trans. Line	.....	3	60	.....	240	120	.....	325
Oriskany Electric Light Co.	Port Hope	Trans. Line	.....	3	60	.....	220	110	.....	160
Oriskany Electric Light Co.	Port Hope	Trans. Line	.....	3	60	.....	550	110	.....	185
Oriskany Electric Light Co.	Port Hope	Water	125	1	133	2,080	550	110	.....	.....
Oriskany Electric Light Co.	Port Hope	Water	.....	3	60	600	600	110	.....	.....
Oriskany Electric Light Co.	Port Hope	Purchased	.....	3	60	.....	550	110	.....	.....
Oriskany Electric Light Co.	Port Hope	Purchased	1,750	3	60	.....	250	110	.....	4,243
Oriskany Electric Light Co.	Port Hope	Water	6,800	3	60	6,600	220	110	.....	430
Oriskany Electric Light Co.	Port Hope	Water	25,000	3	60	4,400	2,200	.....	.....	.....
Oriskany Electric Light Co.	Port Hope	Water	3,000	3	60	2,400	220	110	.....	291
Oriskany Electric Light Co.	Port Hope	Oil	6	.....	DC.	70	.....	50	.....	.....

Hydro-Electric Power







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Hamilton, Cataract Power, Bensenville.....	Purchased..	540	3	66.6	.....	220	112	3	30
Hamilton, Cataract Power, Bensenville.....	Purchased..	1,080	3	66.6	.....	220	112	16	111
Hamilton, Cataract Power, Bensenville.....	Purchased..	4,300	3	66.6	.....	220	112	60	5,090
Hamilton, Cataract Power, Bensenville.....	Purchased..	46,200	3	66.6	.....	220	112	396	60
Hamilton, Cataract Power, Bensenville.....	Purchased..	1,280	3	66.6	.....	220	110	100	1,800
Hamilton, Cataract Power, Bensenville.....	Purchased..	.....	3	25	.....	440	110	8	1,947
Milton Hydro-Electric System	H.E.P.	800	3	25	.....	550	110	6	235
Milton Hydro-Electric System	H.E.P.	365	3	25	.....	550	110	15	350
Milton Hydro-Electric System	Purchased..	430	3	25	.....	220	110	1	130
Milton Hydro-Electric System	Purchased..	160	3	25	.....	220	110	.....	220
New Hamilton Electric Co.	H.E.P.	300	3	25	.....	550	110	4	264
New Hamilton Electric Co.	Purchased..	645	3	66.6	.....	2,400	120	12	581
New Hamilton Electric Co.	Water	160,000	3	25	12,000	12,000	110	27	201
New Hamilton Electric Co.	H.E.P.	1,360	3	25	.....	550	220	4	122
New Hamilton Electric Co.	H.E.P.	000	3	25	.....	550	110	4	500
New Hamilton Electric Co.	H.E.P.	80	3	25	.....	550	110	1	39
New Hamilton Electric Co.	H.E.P.	500	3	25	.....	550	115	27	1,131
New Hamilton Electric Co.	Water	125,000	3	25	12,000	12,000	.....	11	.....
New Hamilton Electric Co.	Water	370	1	60	2,200	.....	110	.....	338
New Hamilton Electric Co.	H.E.P.	900	3	25	.....	550	110	50	607
New Hamilton Electric Co.	H.E.P.	400	3	25	.....	220	110	25	600
New Hamilton Electric Co.	Water	.....	3	60	2,200	220	110	.....	217
New Hamilton Electric Co.	H.E.P.	.....	3	25	.....	.....	110	.....	25
New Hamilton Electric Co.	Purchased..	2,000	3	66.6	.....	220	110	110	2,200
New Hamilton Electric Co.	H.E.P.	50	3	25	.....	550	110	6	104
New Hamilton Electric Co.	.....	700	1	60	1,160	.....	104	.....	300
New Hamilton Electric Co.	.....	90	.....	D.C.	120	110	110	.....	6



APPENDIX K.

List of Electric Light and Power Companies Registered under the Provisions of the Electricity Inspection Act, etc.—Continued.

District.	Company.	Address.	PRIME MOVER.		Phases of System.	Frequency of System.	Generator Voltage.	SERVICE VOLTAGES.		NUMBER OF METERS.	
			Type.	Horse Power.				Power.	Lighting.	Power.	Lighting.
London, Ont. —Con.	Blyth, Corporation of	Blyth.....	Steam.....	60	1	133	1,140	.....	110	.....	75
	Board of Water, Light and Heat Commission.	St. Marys. ....	Steam .....	250	3	60	2,200	550	110	32	490
	Blenheim, Corporation of	Blenheim.....	Steam .....	65	1	133	2,200	.....	110	.....	150
	H. W. Baird, Son & Co	Park Hill.....	Steam.....	100	.....	D.C.	220	.....	220	.....	65
	Bothwell, Corporation of.....	Bothwell.....	Steam .....	50	...	D.C.	110	110	110	.....	5
	Chesley Electric Light Com- pany.	Chesley. ....	.....	160	1	.....	2,080	.....	104	.....	5
	Chatham Gas Company . . .	Chatham.....	Steam .....	970	2	60	2,300	440	110	57	1,436
	Geo. Coultie & Son.....	Thedford.....	Steam.....	65	1	133	1,100	.....	110	...	54
	Clinton Public Utilities Com- mission.	Clinton .....	H.E.P.....	600	3	25	.....	550	110	5	290
	Cargill, Limited.....	Cargill.....	Water....	175	.....	D.C.	250	220	110	.....	...
	Geo. Chambers.....	Watford.....	Steam .....	107	.....	D.C.	250	.....	230	.....	52
	Dutton Electric Light Com- pany.	Dutton.....	Steam.....	90	1	60	1,040	.....	104	.....	11
	Dresden, Corporation of . .	Dresden.....	Steam.....	150	1	133	1,046	.....	104	.....	75
	Dorchester Electric Company.	Dorchester.....	.....	25	.....	.....	.....	2,200	110	.....	70
	Essex County Light and Power Co., Ltd.	Leamington. ....	Steam.....	1,000	3	60	2,300	220	108	21	1,075
	Exeter Electric Light and Power Co.	Exeter.....	Steam.....	150	1	125	1,150	.....	110	.....	175
	Forest, Corporation of. . . .	Forest.....	Steam.....	118	3	25	2,200	.....	110	.....	300
	J. G. Field.....	Tavistock.....	Steam .....	100	1	133	1,000	.....	110	.....	70
	Goderich Water and Light Commission.	Goderich. ....	H.E.P.....	1,000	3	25	.....	550	110	6	557
	Glencoe Electric Light Com- mission.	Glencoe.....	Gas .....	96	3	60	2,200	.....	110	.....	85
	Green Swift, Ltd.....	London.....	Steam.....	100	.....	D.C.	500	500	110	.....	6
	Helena Costume Co., Ltd..	London.....	Steam .....	500	.....	D.C.	230	230	115	8	60
	Ingersoll Water, Light and Sewer Commission.	Ingersoll. ....	H.E.P.....	1,005	3	25	.....	2,200	110	50	600
	Kincardine Water and Electric Commission.	Kincardine.....	Steam.....	300	1	60	2,300	.....	104	.....	125



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London Electric Company, London.	Steam.	2,300	1	60	2,300	500	115	200	1,800
London.									
London Water and Light Co. Ltd.	Steam	150	3	60	2,200	550	110	3	294
London.									
Mitchell Light and Water Co. Ltd.		125	2	60	1,100	550	110	6	170
London.									
Milner Electric Light Co. Ltd.	Purchased.	50	2	60		220	110		37
London.									
James McHardy	Gas	50		D.C.	110		110		9
Stamford, Corporation of	H.E.P.	160	3	60		2,200	110	4	237
Stamford, Corporation of	Steam.	45		D.C.	140		110		
Stamford, Corporation of	H.E.P.	100	3	25		550	110	4	60
Stamford, Corporation of	H.E.P.		3	25		2,300	110	365	7,374
Stamford, Corporation of	Gas	300	2	60	1,100	220	110		335
Stamford, Corporation of	Steam	160	1	125	1,100		110		54
Stamford, Corporation of	H.E.P.		3	25		2,200	110	1	175
Stamford, Corporation of	Water	137	2	133	2,080	104	104		5
Stamford, Corporation of	Steam	125	2	60	2,300		104		168
Stamford, Corporation of	Steam	103	2	133	1,100		110		85
Stamford, Corporation of	Steam	100	1	133	2,000		108		176
Stamford, Corporation of	Water	120	3	60	2,200	2,200	110	3	48
Stamford, Corporation of	H.E.P.	400	3	25		220	110		141
Stamford, Corporation of	H.E.P.	960	3	25		550	110	84	1,883
Stamford, Corporation of	H.E.P.	960	3	25		550	110	75	1,690
Stamford, Corporation of	Steam	100		D.C.	125		115		15
Stamford, Corporation of	Steam	750	3	60	2,300	220	110	82	1,800
Stamford, Corporation of	H.E.P.	300	3	25		550	110	1	340
Stamford, Corporation of	Steam	2,300	3	60	2,300	220	110	49	1,664
Stamford, Corporation of	Steam	255	3	60	6,600	440	110		70
Stamford, Corporation of	Water	220	3	60	6,600	220	110		66
Stamford, Corporation of	H.E.P.	126	3	25		550	110	3	85
Stamford, Corporation of	H.E.P.	240	3	25		550	110	15	460
Stamford, Corporation of	Steam	90	1	133	1,150		115		135



## APPENDIX K.

List of Electric Light and Power Companies Registered under the Provisions of the Electricity Inspection Act, etc—Continued.

District.	Company.	Address.	PRIME MOVER.		Phases of System.	Frequency of System.	Generator Voltage.	SERVICE VOLTAGES.		NUMBER OF METERS.	
			Type.	Horse Power.				Power.	Lighting.	Power.	Lighting.
London, Ont. —Con.	West Lorne Electric Light Company.	West Lorne.	Gas.	65	.....	DC.	125	.....	110	.....	.
	Wingham, Corporation of.	Wingham	Water.	550	3	60	2,300	550	110	7	326
	Wroxeter, Corporation of.	Wroxeter	Steam.	50	1	133	100	.....	100	.....	38
	Walkerville Hydro-Electric System.	Walkerville.	H.E.P.	....	3	25	.....	550	110	75	988
	Wallaceburg Hydro-Electric System.	Wallaceburg	H.E.P.	480	3	25	.....	4,000	110	.....	500
	Water, Light and Sewer Commission.	Seaforth	H.E.P.	480	3	25	.....	2,200	110	13	316
	Woodstock Water and Light System.	Woodstock	Steam.	400	3	60	22,000	550	110	25	1,275
	J. A. Williams	Zurich	Steam.	15	.....	DC.	115	.....	110	.....	.
	Walkerton Electric Light and Power Co.	Walkerton.	Water.	385	3	60	2,300	550	110	5	201
	Marven White.	Wheatley	Gas.	53	.....	DC.	125	.....	125	.....	.
	Alexandria, Corporation of.	Alexandria, Ont.	H.E.P.	140	2	60	.....	.....	110	.....	130
	Almonte Electric Light Commission.	Almonte, Ont.	Water.	300	.....	DC.	220	.....	110	.....	6
Ottawa, Ont.	H. Brown & Son.	Carleton Place, Ont.	Water.	525	3	60	2,200	2,200	108	1	465
	Compagnie Electrique Maniwaki.	Maniwaki, Que.	Water	160	3	60	2,300	220	110	3	4
	Canadian Electric and Water Power Co.	Perth, Ont.	Water	500	2	133	2,200	550	110	4	325
	Chesterville, Corporation of.	Chesterville, Ont.	H.E.P.	....	3	60	.....	.....	.....	1	115
	Charlton Englehart Light and Power Co.	Englehart, Ont.	Water.	1,080	3	60	2,300	2,200	110	3	160
	F. F. Cross.	Farm Point, Que.	Water	200	3	60	4,400	4,400	110	.....	.
	Elk Lake Power Company.	Elk Lake, Ont.	Water	140	3	60	600	.....	110	.....	16
	Galetta Electric Power and Milling Co.	Arnprior, Ont.	Water.	700	3	60	2,300	2,200	110	.....	251
	Hawkesbury Electric Light and Power Co.	Hawkesbury, Ont.	Water	1,700	3	60	10,000	550	110	.....	67
	Hull Electric Co.	Hull, Que.	Water.	980	3	60	2,200	550	118	20	1,297



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Trappan Corporation of Manitoba Electric Light and Power Co.	Trappan, Ont. Moosewing, Ont.	77 215	2 3	60 60	2,400 2,200	110 110	..... 2	7
Adrian MacLean Electric Light and Power Co.	Birmingham, Que. Marian, Ont.	550 250	2 3	60 60	2,300 2,200	110 104	..... .....	2,224
North Bay Light, Heat and Power Co.	North Bay, Ont.	1,200	3	60	2,200	104	33	35
Northern Ontario Electric Light and Power Co.	London City, Ont.	4,600	3	25	12,000	110	2	374
Northern Ontario Electric Light and Power Co.	Timmins, Ont.	4,600	3	25	12,000	110	12	392
Northern Ontario Electric Light and Power Co.	New Liskeard, Ont.	400	3	60	2,500	110	13	220
Northern Ontario Electric Light and Power Co.	South Porcupine, Ont.	4,600	3	25	12,000	110	10	367
Northern Ontario Electric Light and Power Co.	Sturgeon Falls, Ont.	2,500	3	60	2,200	110	.....	310
Northern Ontario Electric Light and Power Co.	Constance, Ont.	400	3	60	2,200	110	13	658
Northern Ontario Electric Light and Power Co.	Haleybury, Ont.	400	3	60	2,200	110	13	1,200
Northern Ontario Electric Light and Power Co.	Orillia, Ont.	.....	3	60	.....	110	40	8
Northern Ontario Electric Light and Power Co.	Orillia, Ont.	3,750	3	60	2,200	110	20	7
Northern Ontario Electric Light and Power Co.	Orillia, Ont.	3,500	3	60	2,200	110	20	10
Northern Ontario Electric Light and Power Co.	Orillia, Ont.	8,500	3	60	2,400	110	35	7,270
Municipal Electric Department Ottawa, Ont.	Purchased Water....	17,000	2	60	550	108	157	15,822
Pembroke Electric Company	Pembroke, Ont.	1,800	3	60	2,250	110	1	500
Papineauville Electric Co.	Papineauville, Que.	.....	3	60	2,300	110	.....	7
Morrisburg Electric Light and Power Co.	Morrisburg, Ont. Renfrew, Ont.	600 50	3 3	60 60	2,200	.....	.....	160
Renfrew Electric Light and Power Co.	Renfrew, Ont.	1,000	2	60	2,300	110	1	290
Exeter Electric Light and Power Co.	Exeter, Ont. Shawville, Que.	60 20	2	60 DC.	65	110 55	..... .....	75
Comet Electric Light and Power Co.	Comet, Ont.	200	1	134	1,100	110	.....	749
North Bay Electric Company	North Bay, Ont.	1,100	3	60	2,200	110	1	350



APPENDIX K.

List of Electric Light and Power Companies Registered under the Provisions of the Electricity Inspection Act, etc.—Continued.

District.	Company.	Address.	PRIME MOVER.		Phases of System.	Frequency of System.	Generator Voltage.	SERVICE VOLTAGES.		NUMBER OF METERS.	
			Type.	Horse Power.				Power.	Lighting.	Power.	Lighting.
Ottawa, Ont., Con.	St. Lawrence Power Company, Limited.	Cornwall, Ont. ....	Water .....	2,500	3	60	2,200	550	110	2	97
	Vankleek Hill Electric Co., Limited.	Vankleek Hill, Ont..	Purchased ..	.....	.....	.....	.....	240	118	.....	30
	Winchester Hydro-Electric System.	Winchester, Ont....	H.E.P.....	160	3	60	.....	.....	110	.....	150
Toronto, Ont....	Alliston Electric Light Company.	Alliston .....	Water .....	150	2	133	1,100	.....	110	.....	100
	Aurora Electric Department.	Aurora.....	Purchased ..	.....	3	25	.....	550	110	8	330
	Beaverton Hydro-Electric....	Beaverton .....	Water .....	1,200	3	60	2,200	220	110	4	117
	Barrie Electric Light Department.	Barrie.....	H.E.P.....	450	2	60	.....	2,300	110	14	1,000
	Brechin Hydro Electric Department.	Brechin.....	H.E.P.....	1,200	3	60	.....	220	110	1	26
	Board of Light and Water Commissioners.	Guelph.....	H.E.P.....	1,500	3	60	.....	550	110	80	2,014
	Bracebridge Electric Department.	Bracebridge.....	Water.....	1,850	2	60	2,200	2,200	110	.....	15
	Geo. Clendenan .....	Clarksburg.....	Water .....	150	3	60	2,300	2,200	110	.....	14
	Canadian Copper Company....	Copper Cliff .....	Water .....	12,800	3	25	2,400	2,200	110	50	.....
	Greenmore Electric Department.	Greenmore.....	Purchased ..	.....	3	60	.....	220	110	1	100
	Cannington Electric Department.	Cannington.....	H.E.P.....	.....	3	60	.....	220	110	2	106
	Coldwater Electric Department.	Coldwater .....	Purchased ..	300	3	60	.....	550	110	2	101
	Canada Velling Company.....	Toronto .....	Purchased ..	.....	3	25	.....	250	110	5	7
.....	Chapleau Electric Light and Power Co.	Chapleau .....	Water .....	400	3	60	2,300	.....	110	.....	9
	Cataract Electric Company.	Orangeville .....	Water .....	200	3	60	2,500	220	110	2	250
	A. & C. Dike.....	Mt. Albert.....	Gas.....	65	.....	DC.	250	.....	250	.....	.....
	Drayton Mills Limited.....	Drayton .....	Water .....	125	3	60	2,200	.....	110	.....	17
.....	Dundalk Electric Light Plant.	Dundalk .....	Steam.....	60	2	133	2,400	.....	110	.....	67



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Food Products Wholesale Light and Water	Blind River	Water	300	3	60	2,400	220	110	.....	29
Food Products Wholesale Light and Water	Gravenhurst	Water	750	3	60	6,600	2,200	110	.....	115
Food Products Wholesale Light and Water	Elora	H.E.P.	240	3	25	.....	550	110	1	60
Food Products Wholesale Light and Water	Barton	Steam	65	1	60	1,000	.....	120	.....	118
Food Products Wholesale Light and Water	Elmvalle	H.E.P.	300	3	60	.....	220	110	2	180
Food Products Wholesale Light and Water	ergus	H.E.P.	240	3	25	.....	550	110	1	310
Food Products Wholesale Light and Water	Meaford	Water	800	3	60	2,300	2,300	110	3	93
Food Products Wholesale Light and Water	Caledonia	Water	98	1	125	1,100	.....	104	.....	20
Food Products Wholesale Light and Water	Moskowitz	Water	300	3	60	2,300	110	104	.....	200
Food Products Wholesale Light and Water	Hammer	Water	300	3	60	2,300	119	104	.....	750
Food Products Wholesale Light and Water	Hampton	H.E.P.	600	3	25	.....	550	110	21	275
Food Products Wholesale Light and Water	Huntsville	Steam	250	1	125	1,040	.....	106	.....	148
Food Products Wholesale Light and Water	Hampton	Steam	110	3	60	2,200	.....	110	.....	2,350
Food Products Wholesale Light and Water	Hampton	Water	5,000	3	25	2,200	2,200	110	220	57
Food Products Wholesale Light and Water	Hampton	Purchased	225	3	25	.....	250	115	.....	13
Food Products Wholesale Light and Water	Hampton Falls	Water	150	1	125	1,100	500	104	.....	50
Food Products Wholesale Light and Water	Little Current	Steam	150	3	60	2,500	2,300	110	.....	92
Food Products Wholesale Light and Water	Sutton Wat	Water	45	.....	DC.	220	.....	220	.....	15
Food Products Wholesale Light and Water	Merklan	Steam	100	2	125	1,200	.....	110	.....	600
Food Products Wholesale Light and Water	Markdale	Steam	250	3	60	2,300	.....	110	.....	53
Food Products Wholesale Light and Water	Miner	H.E.P.	600	3	25	.....	550	110	5	250
Food Products Wholesale Light and Water	Toronto	Steam	300	.....	DC.	250	250	110	10	125
Food Products Wholesale Light and Water	Mount Forest	Steam	100	1	133	1,150	.....	110	2	81
Food Products Wholesale Light and Water	New Toronto	H.E.P.	.....	3	25	.....	.....	115	2	422
Food Products Wholesale Light and Water	Newmarket	Trans. Line	200	3	60	.....	2,200	110	2	240
Food Products Wholesale Light and Water	Newmarket	Steam	175	2	133	2,200	.....	110	.....	1,740
Food Products Wholesale Light and Water	Ottawa	Water	1,600	2	66 6	1,200	2,200	110	3	647
Food Products Wholesale Light and Water	Ottawa	Steam	950	3	60	2,200	550	110	78	160
Food Products Wholesale Light and Water	Ottawa	Water	580	3	60	2,400	550	113	14	53
Food Products Wholesale Light and Water	Ottawa	H.E.P.	.....	3	25	.....	550	110	3	.....
Food Products Wholesale Light and Water	Ottawa	H.E.P.	66	3	60	.....	.....	115	.....	.....



## APPENDIX K.

LIST of Electric Light and Power Companies Registered under the Provisions of the Electricity Inspection Act, etc.—*Continued.*

District.	Company.	Address.	PRIME MOVER.		Phases of System.	Frequency of System.	Generator Voltage.	SERVICE VOLTAGES.		NUMBER OF METERS.	
			Type.	Horse Power.				Power.	Lighting.	Power.	Lighting.
Toronto, Ont., — <i>Con.</i>	Penetanguishene Water and Light Comm.	Penetanguishene...	H.E.P. ....	800	3	60	...	2,200	110	14	246
	Port Perry Electric Department.	Port Perry.....	Steam.....	75	1	133	1,100	.....	110	.....	100
	John Philip .....	Grand Valley.....	Steam.....	150	2	60	2,200	..	104	.....	160
	Pine River Light and Power Company, Ltd.	Orangeville.....	Water.....	800	3	60	2,200	220	110	1	342
	Rockwood Electric Department.	Rockwood .....	H.E.P. ....	50	3	25	.....	550	110	3	74
	Richmond Hill Electric Department.	Richmond Hill .....	Purchased..	.....	3	25	...	550	110	6	120
	F. W. Stair .....	Toronto .....	Steam ..	75	.....	DC.	220	220	110	.....	.....
	Sunderland Electric Department.	Sunderland.....	H.E.P. ....	100	3	60	...	550	110	.....	52
	South River Electric Company.	South River .....	Water.....	100	3	60	2,300	4,400	110	.....	3
	Sudbury Electric Department.	Sudbury .....	Purchased..	600	2	60	.....	220	110	.....	1,250
	Steelton Electric Department.	Steelton .....	Purchased..	300	3	60	.....	220	110	.....	435
	Stayner Electric Department.	Stayner .....	Purchased..	400	3	60	.....	220	110	2	112
	Stouffville Electric Light Plant.	Stouffville .....	Steam.....	125	1	60	1,100	...	110	.....	115
	Toronto Township Electric Department.	Toronto Township ..	H.E.P. ....	200	3	25	.....	550	110	3	135
	Tottenham Electric Department.	Tottenham .....	Steam .....	60	.....	DC.	110	...	110	.....	2
	Toronto Electric Commission.	Toronto .....	H.E.P. ....	30,000	3	25	.....	550	115	1,603	34,323
	Toronto Suburban Railway Company.	Toronto .....	Purchased..	.....	3	25	.....	550	110	50	925
	Toronto Electric Light Co., Ltd.	Toronto .....	Purchased..	18,000	3	25	.....	2,300	110	6,000	20,215
	Toronto and York Radial Railway Co.	Toronto .....	Purchased..	2,500	3	25	.....	4,100	110	13	107
	Thornbury Electric Light Plant.	Thornbury.....	Water... ..	75	1	125	1,040	.....	104	.....	110



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Description	Owner	Depot	Throttle	Steam	80	1	125	1,040	104	104	143
Wabash	Powder Company	Salisbury		Water	5,000	3	60	2,300	110	110	
Wabash	Powder Company	Woodville		H.E.P.		3	60	220	110	110	40
Wabash	Mining Company	Adrian		Water	10		100		110	110	1
Wabash	Water, Paper and Light Company	Adrian and Weston		H.E.P.	200	3	25	550	110	110	125
Wabash	Hydro-Electric	Woodbury		H.E.P.	300	3	25		110	110	65
Wabash	Electric	Wabash		H.E.P.	66	3	60	220	110	110	57
Wabash	Light and Power	Collingswood		H.E.P.	700	3	60	2,200	110	110	817
Wabash	Light and Power	Midland		H.E.P.		3	60	220	110	110	930
Wabash	Light and Power	Whitely		Purchased		3	60	550	108	108	430
Wabash	Light and Power	South Sea		Purchased		3	60	208	104	104	2,175
Wabash	Light and Power	Beulah		Purchased	1,200	3	60	220	110	110	278
Wabash	Light and Power	Montpelier		Water	31,300	3	60	2,200	110	110	12
Wabash	Light and Power	Laurel		Purchased		3	60	550	110	110	1,150
Wabash	Light and Power	Montpelier		Water	120,000	3	60	12,000	110	110	56,155
Wabash	Light and Power	Montpelier		Water	24,000	3	60	550	110	110	6,300
Wabash	Light and Power	Montpelier		Purchased		3	60	2,200	110	110	172
Wabash	Light and Power	Montpelier		Purchased		3	60	2,200	110	110	101
Wabash	Light and Power	Montpelier		Purchased		3	60	550	110	110	395
Wabash	Light and Power	Montpelier		Purchased		3	60	550	110	110	1,000
Wabash	Light and Power	Montpelier		Purchased		3	60	2,200	110	110	100
Wabash	Light and Power	Montpelier		Steam	1,450	3	60	2,300	110	110	2,750
Wabash	Light and Power	Montpelier		Steam	110	3		2,200	110	110	50
Wabash	Light and Power	Montpelier		Steam		3		550	110	110	163
Wabash	Light and Power	Montpelier		Water	350	1	60	110	104	104	175
Wabash	Light and Power	Montpelier		Water	4,800	3	60	11,500	110	110	668
Wabash	Light and Power	Montpelier		Water	75	3		2,000	110	110	1
Wabash	Light and Power	Montpelier		Water	40	3	60	2,300	110	110	15
Wabash	Light and Power	Montpelier		Water	2,000	3	60	2,200	110	110	2,700
Wabash	Light and Power	Montpelier		Water	300	3	153	2,400	104	104	480



APPENDIX K.

List of Electric Light and Power Companies Registered under the Provisions of the Electricity Inspection Act, etc.—Continued.

District.	Company.	Address.	PRIME MOVER.		Phases of System.	Fre-quency of System.	Generator Voltage.	SERVICE VOLTAGES.		NUMBER OF METERS.	
			Type.	Horse Power.				Power.	Lighting.	Power.	Lighting.
Quebec, Que. Co.	La Cie d'Electricite de Roberval.	Roberval	.....	300	1	.....	.....	2,040	104	.....	4
	Le Credit Municipal Canadien	Rimouski.	Water.	550	2	60	2,200	500	110	.....	27
	La Societe d'Eclairage & D'Energie Electrique du Saguenay.	Chicoutimi.	.....	2,400	3	60	220	550	110	.....	20
	Municipalite Village St. Raymond.	St. Raymond.	.....	.....	.....	133	104	.....	104	.....	.....
	Nairn Falls Power and Pulp Co., Ltd.	La Malbaie	.....	.....	3	60	4,400	220	110	.....	.....
Sherbrooke, Que.	Quebec Ry. Light, Heat and Power Co.	Quebec	Water.	9,000	3	64	5,500	550	104	215	8,200
	Brome Lake Electric Power Company.	Waterloo.	Water.	300	1	60	2,080	.....	104	.....	205
	A. G. Hurd.	Sawyerville.	Water	100	1	125	2,080	.....	110	.....	39
	D. C. Horner & Son.	West Sheffield	Water.	100	1	133	1,040	.....	110	.....	13
	Lennoxville Light and Power Company.	Lennoxville.	Purchased	.....	.....	.....	.....	2,200	110	7	225
	La Corporation De La Ville De Magog.	Magog	Water.	1,800	2	60	2,400	2,200	108	.....	.....
	La Compagnie Champoux	Disraeli	Water	100	1	60	2,000	.....	110	.....	.....
	Municipal Electric Light and Power Dept.	Coaticook	Water	650	3	60	2,200	2,200	110	.....	385
	W. M. Pike & Son.	Rock Island	Water.	33	.....	DC.	110	110	110	.....	.....
	Richmond Electric Company	Richmond	Water	360	2	133	2,300	.....	110	.....	360
.....	Scotstown Electric Light and Power Co.	Scotstown.	Water.	250	3	60	2,200	550	110	.....	.....
	Sutton Electric Department.	Sutton.	Purchased	.....	3	60	.....	6,600	115	.....	200
	Sherbrooke Electric Department.	Sherbrooke	Water.	5,200	3	60	6,600	550	108	26	2,657
	Shipton Electric Light and Power Co.	Danville.	Water	360	1	60	2,080	.....	104	.....	102
	Sherbrooke Ry. and Power Company.	Sherbrooke	Water.	4,000	3	60	2,200	2,200	110	15	175



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APPENDIX K.

List of Electric Light and Power Companies Registered under the Provisions of the Electricity Inspection Act, etc.—*Con.*

District.	Company.	Address.	PRIME MOVER.		Phases of System.	Frequency of System.	Generator Voltage.	SERVICE VOLTAGES.		NUMBER OF METERS.	
			Type.	Horse Power.				Power.	Lighting.	Power.	Lighting.
St. John, N.B.— <i>Con.</i>	Edmunston Electric Department.	Edmunston.....	Water.....	500	1	60	2,200	2,200	110	.....	123
	Fredericton Gas Light Company.	Fredericton.....	Steam.....	1,000	2	60	220	220	110	16	670
	Grand Falls Electric Light Grand Falls Dept.	Grand Falls.....	Purchased.....	.....	.....	.....	220	220	110	2	107
	Kent Electric Co., Ltd.....	Richibucto.....	Steam.....	120	1	123	2,200	.....	110	.....	36
	King Lumber Company.....	Chipman.....	Steam.....	70	.....	DC.	125	110	110	2	18
	A. & R. Loggie Company, Loggieville Limited.	Loggieville.....	Steam.....	65	.....	DC.	110	110	110	.....	.....
	Maine and New Brunswick Aroostook Junction Electric Power Co.	Aroostook Junction.....	Water.....	3,500	3	60	11,000	500	110	1	37
	Moncton Trunkways Electric Moncton and Gas Co.	Moncton.....	Steam.....	900	2	60	1,100	500	110	36	1,316
	Newcastle Electric Department.	Newcastle.....	Steam.....	325	2	60	2,300	2,300	110	.....	300
	Port Elgin Electric Light Port Elgin Company.	Port Elgin.....	Steam.....	50	.....	DC.	220	220	220	.....	45
	Saint John Railway Company.	St. John.....	Steam.....	7,000	3	60	2,300	250	107	314	5,741
	C. M. Sherwood, Limited.....	Centreville.....	Water.....	160	.....	DC.	.....	.....	110	.....	.....
	Sussex Manufacturing Company.	Sussex.....	Steam.....	230	2	133	2,000	.....	110	.....	269
	Shediac Electric Light and Shediac Power Co.	Shediac.....	Water.....	108	3	60	2,300	220	110	1	79
	St. Léonard Electric Company Limited.	St. Léonard.....	Purchased.....	.....	3	60	.....	110	110	2	44
	St. Stephen Electric Light St. Stephen Company.	St. Stephen.....	Water.....	600	3	60	2,800	220	110	6	321
	Sackville Electric Light Sackville Company.	Sackville.....	Steam.....	375	3	60	2,300	220	110	3	200
	Woodstock Electric Railway, Light and P.	Woodstock.....	Water.....	500	3	60	2,300	2,300	110	2	500
	Antigonish Electric Company.	Antigonish.....	Steam.....	100	.....	DC.	230	.....	115	.....	101
Halifax, N.S.	Annapolis Royal, Town of....	Annapolis Royal....	Water.....	245	2	66	2,200	.....	104	.....	3



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Amelia Coal Company, Limited	Steam	4,000	3	50	3,150	526	110	8	6
Amelia Electric Light Co., Walsville	Steam	174	3	60	2,300		110		214
Anderson Electric Light and Bell Telephone Co., Bridgeport	Water	175	1	60	2,300		110		
Anderson Electric Light and Bell Telephone Co., River	Water	60	3	60	2,200		110		
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	2,745	2	60	2,300	2,300	110	64	2,005
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	500		100%	125	220	110	26	592
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	3,000	3	60	11,000	2,200	110	29	813
Anderson Electric Light and Bell Telephone Co., North Bridge	Gas	95	3	60	2,300	220	110		80
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	100	3	60	2,200		104		108
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	300	3	60	2,200		110		461
Anderson Electric Light and Bell Telephone Co., North Bridge	Purchased Water	35	3	25	2,200	2,200	110		108
Anderson Electric Light and Bell Telephone Co., North Bridge	Water	50	3	60	2,200		110		
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	600	2	60	2,200		104		343
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	600	2	60	2,080		104		75
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	75	3	60	2,200	2,000	110		38
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	3,002	3	60	2,200	550	110	264	4,125
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	75		100%	125		115		
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	120		100%	150		110		131
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	35	3	60	125		112		
Anderson Electric Light and Bell Telephone Co., North Bridge	Water	40	3	60	3,700		104		31
Anderson Electric Light and Bell Telephone Co., North Bridge	Gas	65	3	60	2,300		110		130
Anderson Electric Light and Bell Telephone Co., North Bridge	Water	80	1	60	2,250	220	110		31
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	65	2	60	2,400		110		25
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	1,125	3	60	2,200	220	108	54	1,143
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	140	2	133	2,200		104		65
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	125	3	60	2,200		110		27
Anderson Electric Light and Bell Telephone Co., North Bridge	Water	400	3	60	2,300	220	110		
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	75	2	60	2,200	220	220	3	300
Anderson Electric Light and Bell Telephone Co., North Bridge	Water	40	3	60	2,300	110	110		51
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	75	3	60	2,300		110		3
Anderson Electric Light and Bell Telephone Co., North Bridge	Steam	200	2	60%	1,740	220	105	1	330



APPENDIX K.  
List of Electric Light and Power Companies Registered under the Provisions of the Electricity Inspection Act, etc.—Continued.

District.	Company.	Address.	PRIME MOVER.		Phases of System.	Frequency of System.	Generator Voltage.	SERVICE VOLTAGES.		NUMBER OF METERS.	
			Type.	Horse Power.				Power.	Lighting.	Power.	Lighting.
Halifax, N.S.— C.C.	Waterford Public Utilities Company.	New Waterford....	Purchased.	100	1	25	.....	110	110	1	31
	Yarmouth Light and Power Company.	Yarmouth.....	Water.....	450	3	60	2,300	220	110	25	150
Charlottetown, P.E.I.	Charlottetown Light and Power Co.	Charlottetown....	Steam.....	.....	3	60	2,200	220	110	4	1,223
	Charles W. Ives .....	North Tryon.....	Water.....	...	.....	DC.	110	.....	110	.....	.....
	Leard Electric Power Company.	Alberton.....	Water.....	40	1	60	2,200	.....	110	.....	42
	Geo. E. Leard & Son. ....	Crapaud.....	Steam.....	20	2	60	2,200	.....	110	.....	.....
	Montague Electric Company, Limited.	Montague.....	Water....	49	1	125	2,080	.....	104	.....	44
	Sun Electric Company, Limited.	Summerside.....	Steam.....	300	1	125	1,000	.....	105	.....	278
	Brandon Electric Light Company, Ltd.	Brandon.....	Water....	3,500	3	60	2,300	2,300	120	68	1,515
Winnipeg, Man.	Boissevain Electric Department.	Boissevain .....	Steam.....	125	3	60	2,200	.....	115	.....	120
	Carberry Electric Department.	Carberry .....	Steam .....	95	2	60	2,200	.....	110	.....	142
	Carmann Electric Department.	Carmann .....	Steam .....	175	.....	.....	230	.....	220	.....	147
	Dauphin Electric Department.	Dauphin .....	Steam.....	430	2	60	2,200	220	110	28	555
	Killarney Electric Light Company.	Killarney .....	Steam....	110	3	60	2,300	110	110	.....	94
	Morden Electric Light Plant.	Morden .....	Steam .....	150	1	133	1,080	.....	110	.....	136
	Minnedosa Power Company.	Minnedosa .....	Water....	450	3	60	2,400	220	110	1	150
	Neepawa Electric Department.	Neepawa .....	Steam.....	300	3	60	2,200	220	110	.....	.....
	Pt. LaPrairie Electric Department.	Pt. LaPrairie .....	Steam .....	900	3	60	2,300	230	115	30	648
	Russell Electric Department.	Russell .....	Gas.....	75	3	60	2,200	110	110	1	608
	Rapid City Electric Department.	Rapid City.....	Gas .....	50	3	60	2,300	.....	110	.....	35
	Souris Electric Department....	Souris .....	Gas.....	164	.....	DC.	230	220	110	1	150



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Winnipeg Electric Department Winnipeg Light and Power Department	Winnipeg Winnipeg	Water Water	47,600 40,000	3 3 3	60 60 60	550 550 550	110 110 110	17 833	383 32,708 15,107
Arcoia Light and Power Co. Arcoia Light	Arcoia	Oil	44	1	60	1,100	110		116
Broadview Electric Dept. Broadview Electric Dept.	Broadview Broadview	Gas Fuel Oil	75	3	60 60	2,200 220	110 110	10	90 260
Carleton Place Electric Department Carleton Place Electric Dept.	Carleton Carleton	Oil Steam Gas	92 52 80	3 3 3	60 60 60	2,200 2,300 2,200	110 110 110	1	120 51 59
East View Electric Department East View Electric Dept.	East View East View	Oil Steam	15 100	3	DC 60	115 2,300	115 110	1	13
London Light and Power Company	London	Oil	40	3	60	2,200	110		84
Manitowish Electric Department Manitowish Electric Dept.	Manitowish Manitowish	Steam Oil	350 25	3 3	60 60	2,200 2,200	100 110	8	355 46
Marquette Electric Department Marquette Electric Dept.	Marquette Marquette	Steam Oil	68 20	3	60 DC	2,300 115	110 110	1	22 36
Northview Electric Department Northview Electric Dept.	Northview Northview	Gas Gas Gas	78 64 200	3 3 3	60 60 60	2,200 2,300 2,200	125 115 110	1	103 102 160
Port Arthur Electric Department Port Arthur Electric Dept.	Port Arthur Port Arthur	Steam Steam	225	3	60	2,200	104		240
St. James Electric Department St. James Electric Dept.	St. James St. James	Gas Gas Gas	100 64 200	3 3 3	DC 60 60	220 2,300 2,300	220 115 110	1	123 99 75
St. Mary's Electric Department St. Mary's Electric Dept.	St. Mary's St. Mary's	Steam	125	3	60	2,200	110	1	137
St. Paul's Electric Department St. Paul's Electric Dept.	St. Paul's St. Paul's	Gas Gas Steam	50 100 100	3 3 3	60 60 60	2,200 220 2,200	110 110 110		73 6 100
St. Peter's Electric Department St. Peter's Electric Dept.	St. Peter's St. Peter's	Oil Gasoline Steam	150 12 375	3	60 DC DC	2,200 110 220	110 110 110	1	150 55 20
St. Thomas Electric Department St. Thomas Electric Dept.	St. Thomas St. Thomas	Gas Gas Steam	25 982 4,600	3 3 3	60 60 60	110 2,300 2,300	110 110 110	170 35	360 2,956 700
St. Vincent's Electric Department St. Vincent's Electric Dept.	St. Vincent's St. Vincent's	Steam	4,000	3	60	2,200	110		
St. John's Electric Department St. John's Electric Dept.	St. John's St. John's	Oil	75	3	60	2,200	110	1	109



APPENDIX K.

List of Electric Light and Power Companies Registered under the Provisions of the Electricity Inspection Act, etc.—Continued

District.	Company.	Address.	Prime Mover.		Phases of System.	Frequency of System.	Generator Voltage.	Service Voltages.		Number of Meters.	
			Type.	Horse Power.				Power.	Ltghting.	Power.	Lighting.
Regina, Sask. —Cont.	Prince Albert Electric Light Plant.	Prince Albert.	Steam.	1,600	3	60	2,200	550	110	17	1,530
	Portal Power Company.	North Portal.	Trans. Line			DC.			220		19
	Qu'Appelle Electric Light Company.	Qu'Appelle.	Gas	90		DC.	220	440	220		65
	Regina, Light and Power Department.	Regina.	Steam.	10,900	3	60	2,200	2,200	110	249	5,410
	Rouleau, Town of.	Rouleau.	Gas.	175	3	60	2,300		115		133
	Radisson Iron and Electric Works.	Radisson.	Gasoline			DC.	115	115	115		17
	Strassburg, Corporation of.	Strassburg.	Steam.	50	3	60	2,200		110		100
	Swift Current, City of.	Swift Current.	Steam.	295	3	60	2,300	220	110	21	619
	Saulteaux, Town of.	Saulteaux.	Steam	40	3	60	2,200	110	110		82
	Saskatoon, Corporation of.	Saskatoon	Steam.	7,973	2	60	2,400	2,200	110	323	4,229
	Scott, Town of.	Scott	Oil.	100	3	60	2,200	220	110	1	65
	L. Spitzer & P. Leisch.	Semans.	Oil.	9		DC.	116		110		
	Arthur Townsend.	Milestone.	Gas	26		DC.	220		110		
	Tisdale Trading and Milling Company.	Tisdale	Steam	125	3	60	550	220	110		39
	Weyburn, Corporation of.	Weyburn	Steam	500	3	60	2,300	220	110	42	660
	Wadena Light and Power Plant.	Wadena	Gas.	61	3	60	2,300		112		78
	Watrous Electric Light, Power and Traction.	Watrous.	Gas.	90	3	60	2,200	220	110		140
	Wilcox Hotel.	Wilcox	Gasoline.	9		DC.		115	110		
	Wilkie, Town of.	Wilkie	Oil.	100	8	60	2,200	220	110	2	125
	Wolseley Light and Power Plant.	Wolseley.	Gas.	110	3	60	2,300	110	110	2	138
	Yorkton, Town of.	Yorkton.	Oil.	550	3	60	2,200	550	110	13	380
	Yellow Grass, Town of.	Yellow Grass.	Oil	25		DC.	120	110	110		61
Calgary, Alta.	Alberta Electric Company Limited.	Bassano.	Steam	75	3	60	2,200	2,200	120		121
	Bankhead Mines Limited.	Bankhead.	Steam.	500	3	60	2,200	550	210	1	321



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	Gas	3	60	2,200	220	110	2	6
Bowness Improvement Com-pany.	Gas	350	60	2,200	220	110	2	6
Cardston, Municipality of.	Steam	100	60	2,200	220	110	2	150
City of Calgary, Corporation of.	Steam	18,360	60	2,300	220	110	722	13,781
Clareholm, Town of.	Steam	200	60	2,300	220	110	1	128
Canada West Coal Company, Limited.	Steam	175	60	2,300	116	110	1	126
Carmangay, Town of.	Steam	75	DC.	220	12,000	110	1	20
Calgary Power Company, Limited.	Water	31,300	60	12,000	12,000	110	1	1,850
Calgary Water Power Com-pany Limited.	Steam	2,875	60	2,200	210	105	40	112
Didsbury, Town of.	Steam	100	60	2,200	220	110	1	225
Electric Light System.	Steam	275	60	2,250	440	110	1	225
Franco-Canadian Collieries Limited.	Steam	750	60	2,200	440	110	1	225
International Coal and Coke Company.	Steam	1,650	60	2,200	2,200	250	1	8
Knight Sugar Company Limited.	Steam	75	60	2,200	2,200	110	1	8
Lethbridge, City of.	Steam	3,000	60	2,200	220	110	100	1,715
P. A. Motheson.	Steam	160	60	2,200	220	110	1	215
Medicine Hat, City of.	Steam	2,400	60	2,300	550	110	76	999
Macleod, Municipality of.	Steam	600	60	2,300	220	110	1	400
Nanton, Town of.	Steam	100	60	2,200	2,300	110	1	101
Rocky Mountains Cement Company.	Steam	150	60	2,300	2,300	110	1	3
C. O. Saunders.	Gas	125	60	2,200	110	110	1	3
Edmonton, Alta.	Gas	10	DC.	2,200	110	110	1	3
Alsip Brick and Supply Com-pany Limited.	Steam	10	DC.	2,200	110	110	1	3
Brazau Collieries Limited.	Steam	250	60	2,300	440	110	1	14
Camrose, Municipality of.	Steam	235	60	2,300	220	120	7	313
Electric Light and Power De-partment.	Steam	1,300	60	2,300	550	110	524	11,441
Fort Saskatchewan Electric Light Department.	Steam	90	60	2,200	2,200	110	1	122
Hudson's Bay Company.	Steam	250	DC.	220	220	110	1	1
Jasper Park Collieries Limited.	Steam	300	60	500	440	110	6	190
Lacombe, Town of.	Water	125	60	7,600	250	110	1	1
Mountain Park Coal Company Limited.	Steam	500	DC.	250	250	250	1	1
Ponoka, Town of.	Purchased	75	60	2,300	220	110	1	111
Stettler, Town of.	Steam	187	60	2,300	220	110	1	230
Vegreville Electric Light and Power Co.	Gas	62	DC.	440	440	220	1	75
Wetaskiwin, Corporation of.	Steam	740	60	2,300	220	110	17	385
Yellowhead Pass Coal and Coke Co.	Steam	60	DC.	125	220	125	1	385



## APPENDIX K.

List of Electric Light and Power Companies Registered under the Provisions of the Electricity Inspection Act, etc—Continued.

District.	Company.	Address.	PRIME MOVER.		Phases of System.	Frequency of System.	Generator Voltage.	SERVICE VOLTAGES.		NUMBER OF METERS.	
			Type.	Horse Power.				Power.	Lighting.	Power.	Lighting.
Vancouver, B.C.	Ashcroft Water, Electric and Improvement Co.	Ashcroft. . . . .	Gas. . . . .	100	3	60	2,300	.....	110	.....	141
	Adams River Lumber Company Limited.	Chase. . . . .	Steam. . . . .	75	1	125	1,100	.....	110	.....	40
	Armstrong Electric Department.	Armstrong. . . . .	Water. . . . .	300	3	60	2,200	2,000	110	3	200
	Anglesey Estates. . . . .	Walhachin. . . . .	Oil. . . . .	15	.....	DC.	150	.....	110	.....	.....
	Britannia Mining and Smelting Co. Ltd.	Britannia Beach. . . . .	Water. . . . .	1,975	3	60	6,600	220	110	.....	35
	British Columbia Electric Railway Co.	Vancouver. . . . .	Steam. . . . .	18,000	3	60	2,200	2,200	110	1,569	38,516
	Cascade Water Power and Light Co. Ltd.	Rosland. . . . .	Water. . . . .	1,000	3	60	2,000	20,000	110	.....	4
	Canadian Western Lumber Company Ltd.	Fraser Mills. . . . .	Steam. . . . .	3,000	3	60	500	500	110	35	.....
	Crows Nest Pass Electric Light and Pr.	Coal Creek. . . . .	Steam. . . . .	275	.....	DC.	220	.....	220	.....	.....
	Crows Nest Pass Electric Light and Pr.	Michel. . . . .	Steam. . . . .	400	.....	DC.	220	.....	220	.....	.....
	Denver Light and Power Company Limited.	New Denver. . . . .	Water. . . . .	55	3	60	2,300	.....	110	.....	2
	Daly Reduction Company Limited.	Hedley. . . . .	Water. . . . .	1,800	3	60	6,600	2,200	110	.....	3
	Fernie Electric Department. . . . .	Fernie. . . . .	Steam. . . . .	250	2	60	2,300	220	110	12	528
	Granby Consolidated Min. Sm. and Pr. Co.	Anyox. . . . .	Water. . . . .	3,000	3	60	2,200	2,200	110	4	8
	Cranbrook Electric Light Company Ltd.	Cranbrook. . . . .	Steam. . . . .	500	2	60	2,200	220	110	8	625
	Grand Forks Electric Department.	Grand Forks. . . . .	Purchased. . . . .	.....	3	60	.....	2,200	110	11	375
	Greenwood City Waterworks Company.	Greenwood. . . . .	Water. . . . .	200	3	60	4,400	220	110	.....	3
	Kaslo Electric Department. . . . .	Kaslo. . . . .	Water. . . . .	250	2	60	1,100	1,100	114	.....	2
	Kelowna Electric Department.	Kelowna. . . . .	Steam. . . . .	620	3	60	2,300	220	110	32	515



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Kamloops Electric Department.	Water	4,000	3	60	2,200	2,200	110	30	1,125
Mission Water, Light and Power Co. Ltd.	Water	90	3	60	250	250	110	.....	34
Merritt Electric Department.	Steam	210	3	60	2,200	2,200	110	.....	250
Northern Telephone and Power Co. Ltd.	Steam	120	3	60	2,300	110	110	.....	58
New Westminster Electric Department.	Purchased	2,000	3	60	.....	.....	110	2	3,200
Nelson Electric Department.	Water	3,300	3	60	12,000	2,200	110	50	700
Okanagan Saw Mills Limited.	Steam	75	1	60	2,300	.....	110	.....	186
Okanagan Trust Company, Limited.	Water	60	3	60	2,000	.....	110	.....	23
Penticton Electric Department.	Oil	200	3	60	4,600	220	110	1	380
Prince Rupert Electric Department.	Water	2,150	3	60	2,500	220	110	38	760
Powell River Company Limited.	Water	9,000	3	50	600	600	110	.....	22
Phoenix Electric Lighting Company	Purchased	.....	3	60	.....	250	110	1	8
Revelstoke Electric Department.	Water	1,650	3	60	2,300	220	110	19	725
Rosland Water and Light Company.	Purchased	.....	3	60	.....	110	110	.....	101
Sumas Electric Light Company.	Purchased	.....	3	60	.....	110	110	1	12
Summerland Electric Department.	Water	45	2	60	2,200	.....	110	.....	118
South Kootenay Water Power Company.	Purchased	.....	3	60	.....	.....	.....	.....	.....
Sandon Water Works and Light Company.	Water	175	.....	DC.	120	120	110	.....	.....
Salmon Arm Electric Department.	Oil	150	3	60	2,200	.....	110	.....	94
Vernon Electric Department.	Oil	725	3	60	2,200	220	110	18	650
Vancouver Power Company Ltd.	Water	64,200	3	60	2,200	.....	.....	.....	.....
West Kootenay Power and Light Company	Water	20,000	3	60	2,500	65,000	110	21	.....
Western Canada Power Company Limited.	Water	26,000	3	60	4,400	60,000	115	400	1,275
Alberni Electric Department.	Purchased	.....	3	60	.....	.....	110	.....	50
British Columbia Electric Ry. Co. Ltd.	Trans. Line	2,300	3	60	.....	2,200	110	422	12,887
Canadian Collieries Limited.	Water	12,000	3	25	13,200	2,200	110	.....	134
Courtenay Electric Light, Heat and Power Co.	.....	.....	.....	.....	.....	.....	110	.....	73

Victoria, B.C.



APPENDIX K.

List of Electric Light and Power Companies Registered under the Provisions of the Electricity Inspection Act, etc.—Continued.

District.	Company.	Address.	PRIME MOVER.		Phases of System.	Frequency of System.	Generator Voltage.	SERVICE VOLTAGES.		NUMBER OF METERS.	
			Type.	Horse Power.				Power.	Lighting.	Power.	Lighting.
Victoria, B.C. —Con.	Cumberland Electric Light Company Ltd.	Cumberland	Purchased.	.....	3	25	.....	115	115	.....	500
	Duncan Electric Power and Lighting Plant.	Duncan	Oil.	200	3	60	2,200	229	110	2	60
	Nanaimo Elect. Light, Pr. and Heating Co.	Nanaimo	Water	900	3	60	2,300	2,300	110	10	1,560
	Pemberton Building.	Victoria	Steam.	113	.....	DC.	110	110	110	3	16
	Port Alberni Electric Department	Port Alberni	Oil.	150	3	60	2,300	.....	110	.....	109
	J. A. Sayward.	Victoria	Purchased.	.....	3	60	.....	500	110	6	14
	Vancouver Island Power Company.	Victoria	Trans. Line.	25,500	3	60	.....	.....	.....	.....	.....
	Vancouver Island Power Company.	Victoria	Trans. Line.	6,000	3	60	.....	.....	.....	.....	.....
	Victoria Electric Company.	Victoria	Purchased.	.....	3	60	.....	.....	110	.....	35
	Victoria Electric Company.	Victoria	Purchased.	.....	3	60	.....	.....	.....	.....	.....

J. U. VINCENT,  
Deputy Minister.

INLAND REVENUE DEPARTMENT,  
ELECTRICAL BRANCH,

ORMOND HIGMAN,  
Chief Engineer.

OTTAWA, July 1, 1916.